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<?php
    set_time_limit(60*5);

    function checkEncoding(){
        global $HTTP_ACCEPT_ENCODING;
        if (strpos($HTTP_ACCEPT_ENCODING, 'x-gzip') !== false)
            return 'x-gzip';
        else if (strpos($HTTP_ACCEPT_ENCODING, 'gzip') !== false)
            return 'gzip';
        else
            return false;
    };

    if(isset($_GET['embedded']) && $_GET['embedded'] == true){
        $EMBED = true;
    } else {
        $EMBED = false;
    }

    /* No URL--display form */
    if(!isset($_GET['url'])){
        if(!$EMBED){
            echo '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head profile="http://gmpg.org/xfn/1">
    <title>Image to CSS Converter</title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
</head>
<body>';

            echo preg_replace('/[\n\r]/si', '', '<form
action="http://elliottback.com/tools/image-to-css.php" method="get">
<INPUT TYPE="text" name="url" />
<INPUT TYPE="submit" /><br />
<select name="pix">
    <option value="1">1 px / box
    <option value="2">2 px / box
    <option value="4">4 px / box
    <option value="default" selected>default
    <option value="8">8 px / box
    <option value="16">8 px / box
    <option value="32">32 px / box
    <option value="64">64 px / box
    <option value="128">128 px / box
</select>
<select name="mode">
    <option value="0" selected>Regular
    <option value="1">Mini Poster
    <option value="2">Alternate pixellation
    <option value="3">Wall poster
</select>
</form>');

            if(!$EMBED){
                echo '</body>

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        </html>';
    }
} else {
    $url = trim($_GET['url']);
    $match = preg_match('/.*?\.(png|gif|bmp|jpeg|jpg)$/si', $url, $matches);

    if($match){
        $ext = strtolower($matches[1]);
        if($ext == "png"){
            $image = imagecreatefrompng($url);
        } else if($ext == "jpg" || $ext == "jpeg"){
            $image = imagecreatefromjpeg($url);
        } else if($ext == "bmp"){
            $image = imagecreatefromwbmp($url);
        } else if($ext == "gif"){
            $image = imagecreatefromgif($url);
        } else {
            die("Bad image format!! Extension " . $ext . " not recognized.");
        }
    } else {
        $image = @imagecreatefromjpeg($url);
    }

    $y_size = imagesy($image);
    $x_size = imagesx($image);

    if(!isset($_GET['pix']) || $_GET['pix'] == 'default'){
        $pixel_size = min(floor(max($x_size, $y_size) / 100), 100);
    } else {
        $pix = $_GET['pix'];

        if($pix < 1) {
            $pix = 1;
        }

        if($pix > $y_size || $pix > $x_size){
            $pix = min($y_size, $x_size);
        }

        $pixel_size = $pix;
    }

    echo '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head profile="http://gmpg.org/xfn/1">
    <title>Image to CSS Converter</title>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    <style type="text/css">
        .box { height:' . $pixel_size . 'px; width:' . $pixel_size . 'px;
padding:0px; margin:0px; position:absolute; }';

    if(isset($_GET['mode'])){
        echo "\n";
        switch($_GET['mode']){
            case 1:
                echo '.box { height:1px; width: 1px; }';
        }
    }
}
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        break;
    case 2:
        echo '.box { height:1px; }';
        break;
    }
}

echo '
</style>
</head>
<body>';

switch($_GET['mode']){
    case 3:
        echo '<div style="width:' . $x_size . 'px; height:' . (4 *
$y_size) . 'px;">';
        break;
    default:
        echo '<div style="width:' . $x_size . 'px; height:' . $y_size
. 'px;">';
        break;
}

for($y = 0; $y < $y_size; $y+=$pixel_size){
    echo '<div style="float:left;">';

    for($x = 0; $x < $x_size; $x+=$pixel_size){
        $colorindex = imagecolorat($image, $x,$y);
        $color = imagecolorsforindex($image, $colorindex);
        $r = str_pad(base_convert($color['red'], 10, 16),2,"0",
STR_PAD_LEFT);
        $g = str_pad(base_convert($color['green'], 10, 16),2,"0",
STR_PAD_LEFT);
        $b = str_pad(base_convert($color['blue'], 10, 16),2,"0",
STR_PAD_LEFT);

        if(isset($_GET['mode'])){
            switch($_GET['mode']){
                case 3:
                    echo '<span class="box" style="background:#' . $r . $g
. $b . '; left:' . (4 * $x) . 'px; top:' . (4 * $y) . 'px;"></span>' . "\n";
                    break;
                default:
                    echo '<span class="box" style="background:#' . $r . $g
. $b . '; left:' . $x . 'px; top:' . $y . 'px;"></span>' . "\n";
                    break;
            }
        } else {
            echo '<span class="box" style="background:#' . $r . $g . $b .
'; left:' . $x . 'px; top:' . $y . 'px;"></span>' . "\n";
        }
    }

    echo '</div>' . "\n";
    echo '<div style="clear:left;"></div>' . "\n";
}

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    echo '</div>';

    echo '<div style="margin-top:15px;"><a
href="http://elliottback.com/tools/image-to-css.php?url=' . $url . '&pix=' . $pix
. '&mode=' . $mode . '">Download this? (Permalink)</a></div>';
    echo '<div style="clear:both; margin-top:15px; font-size: 75%;
color:#666;">Created with software by <a href="http://elliottback.com/">Elliott
Back</a>, Copyright 2005.</div>';

    @imagedestroy($image);

    echo '</body>
        </html>';
}
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?>