

Converting Colors

$Y_{xy}(45.6553, 0.2857, 0.3180)$

Have a look what the booklet for
Yxy(45.6553, 0.2857, 0.3180)
contains.

Yxy(45.8173, 0.2852, 0.3181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.8173, 0.2852, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	9EB9C1
RGB	158, 185, 193
RGB Percent	62%, 73%, 76%
CMY	0.3803, 0.2745, 0.2431
CMYK	0.18, 0.04, 0.00, 0.24
HSL	194°, 22%, 69%
HSV	194°, 18%, 76%
XYZ	41.0786, 45.8173, 57.1384
YIQ	177.8390, -18.6600, -3.2360

Conversions

Conversions Part 2

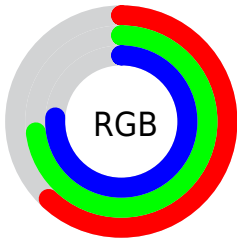
Format	Color
RYB	158, 173, 193
Decimal	10402241
CIELab	73.43, -7.43, -7.13
CIElCh	73, 10.300, 223.847
Yxy	45.8173, 0.2852, 0.3181
Android (android.graphics.Color)	4288592321 (0xFF9EB9C1)
YUV	177.8390, 7.4744, -17.3988
Hunter-Lab	67.6885, -10.1273, -2.6670

Details

The Yxy color **45.8173, 0.2852, 0.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0930, 0.3456, 0.3396**, and the grayscale version is **44.4012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8963, 0.2904, 0.3206**, and **21.4601, 0.2770, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **42.1918, 0.2705, 0.3113**, and if you desaturate by 10%, it is **49.8115, 0.3003, 0.3243**.

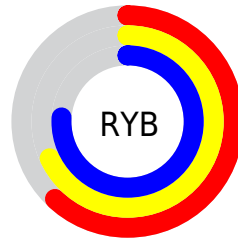
Distribution



Red (62%)

Green (73%)

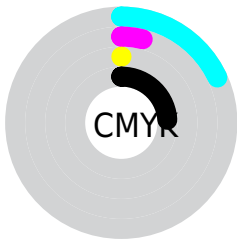
Blue (76%)



Red (62%)

Yellow (68%)

Blue (76%)

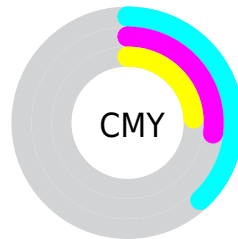


Cyan (18%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8173, 0.2852, 0.3181 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.8173, 0.2852, 0.3181 by changing the saturation by 10% instead.

■ 45.8173, 0.2852,
0.3181

■ 45.8173, 0.2852,
0.3181

■ 370.0736, 0.2989,
0.3237

■ 32.1017, 0.2818,
0.3167

■ 83.9455, 0.2902,
0.3202

■ 21.4392, 0.2775,
0.3148

■ 109.1269, 0.2920,
0.3209

■ 13.4454, 0.2717,
0.3122

■ 138.8989, 0.2936,
0.3216

■ 7.7360, 0.2637,
0.3086

■ 173.6461, 0.2950,
0.3221

■ 3.9265, 0.2519,
0.3030

■ 213.7528, 0.2961,
0.3226

■ 1.6325, 0.2326,
0.2934

■ 259.6033, 0.2972,

■ 0.3794, 0.1219,

0.3230

0.2580

311.5821, 0.2981,
0.3234

0.0000, 0.0000,
0.0000

45.8173, 0.2852,
0.3181

45.8173, 0.2852,
0.3181

42.1918, 0.2705,
0.3113

49.8115, 0.3003,
0.3243

38.9146, 0.2566,
0.3040

54.1826, 0.3156,
0.3300

35.9715, 0.2438,
0.2963

58.9455, 0.3307,
0.3351

33.3452, 0.2323,
0.2882

64.1128, 0.3457,
0.3397

31.0164, 0.2225,
0.2799

69.6962, 0.3601,
0.3437

■ 28.9634, 0.2146,
0.2714

■ 71.9599, 0.3594,
0.3482

■ 27.1608, 0.2086,
0.2630

■ 74.1941, 0.3584,
0.3526

■ 25.5698, 0.2044,
0.2547

■ 76.4891, 0.3573,
0.3570

■ 25.2847, 0.2037,
0.2531

■ 78.8456, 0.3563,
0.3614

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8173, 0.2908, 0.3311



45.8173, 0.2852, 0.3181



45.8173, 0.2867, 0.3085

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.8173, 0.2852, 0.3181



45.8173, 0.3229, 0.3148



45.8173, 0.3303, 0.3543

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.8173, 0.2852, 0.3181



41.0930, 0.3456, 0.3396

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.8173, 0.3393, 0.3491



45.8173, 0.2852, 0.3181



45.8173, 0.3350, 0.3264

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.8173, 0.2852, 0.3181



45.8173, 0.3082, 0.3069



45.8173, 0.3411, 0.3389



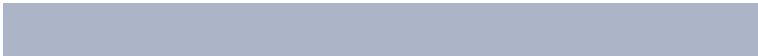
45.8173, 0.3167, 0.3524

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8173, 0.2852, 0.3181



45.8173, 0.2916, 0.3052



45.8173, 0.3411, 0.3389



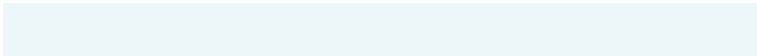
45.8173, 0.3340, 0.3533

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.8192, 0.2852, 0.3181



91.5151, 0.3050, 0.3261



48.1557, 0.3049, 0.3669



19.5165, 0.3039, 0.3257



97.7402, 0.3127, 0.3290



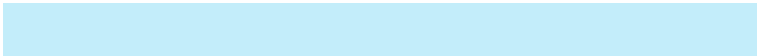
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.8192, 0.2852, 0.3181



79.2344, 0.2790, 0.3153



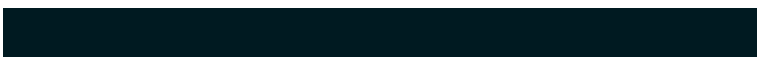
39.1023, 0.2840, 0.2943



11.0246, 0.2984, 0.3236



16.9399, 0.2040, 0.2542



0.8300, 0.2091, 0.2728

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.3017, 0.3220, 0.2944



65.4332, 0.3245, 0.2861



47.7163, 0.3418, 0.3614



10.2068, 0.3172, 0.3114



8.9923, 0.3881, 0.1912



0.3984, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 45.8173, 0.2852, 0.3181 looks on a white background.

Color Contrast Check

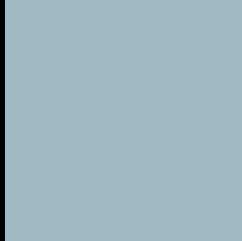
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.8173, 0.2852, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

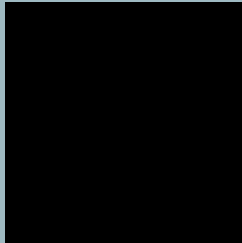
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

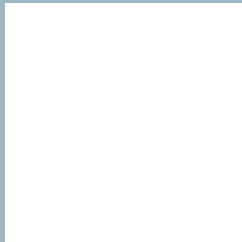
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8173, 0.2852, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 45.8173, 0.2852, 0.3181.



This preview shows how white text looks on a background with the Yxy color 45.8173, 0.2852, 0.3181.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.8173, 0.2852, 0.3181

Protanopia

45.6176, 0.3057, 0.3160

Deuteranopia

45.6764, 0.3104, 0.3038



Tritanopia

45.7754, 0.2817, 0.3089

Trichromacy



Original Color

45.8173, 0.2852, 0.3181

Protanomaly

45.5361, 0.2982, 0.3171

Deuteranomaly

45.7189, 0.3010, 0.3096

Tritanomaly

45.6831, 0.2831, 0.3115

Monochromacy



Original Color

45.8173, 0.2852, 0.3181

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1246, 0.3027, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8173, 0.2852, 0.3181 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(158, 185, 193)` looks like.

```
.text, #text, p{  
    color:rgb(158, 185, 193)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(158, 185, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 185, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.8173, 0.2852, 0.3181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 185, 193) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(158, 185, 193) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(158, 185, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 185, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 185, 193);  
box-shadow:4px 4px 4px 4px rgb(158, 185,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8173, 0.2852, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 185, 193) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(158,  
185, 193) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor