

Converting Colors

Yxy(57.8752, 0.2549, 0.3109)

Have a look what the booklet for
Yxy(57.8752, 0.2549, 0.3109)
contains.

Yxy(57.8122, 0.2552, 0.3111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.8122, 0.2552, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	88D4E2
RGB	136, 212, 226
RGB Percent	53%, 83%, 89%
CMY	0.4666, 0.1686, 0.1138
CMYK	0.40, 0.06, 0.00, 0.11
HSL	189°, 61%, 71%
HSV	189°, 40%, 89%
XYZ	47.4242, 57.8122, 80.5951
YIQ	190.8720, -49.7900, -11.7580

Conversions

Conversions Part 2

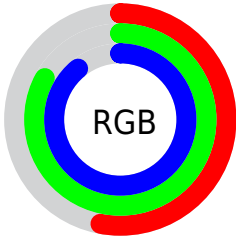
Format	Color
RYB	136, 177, 226
Decimal	8967394
CIELab	80.63, -19.95, -14.31
CIElCh	81, 24.552, 215.640
Yxy	57.8122, 0.2552, 0.3111
Android (android.graphics.Color)	4287157474 (0xFF88D4E2)
YUV	190.8720, 17.3181, -48.1227
Hunter-Lab	76.0343, -21.7259, -9.6224

Details

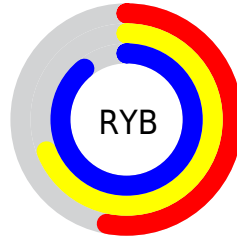
The Yxy color **57.8122, 0.2552, 0.3111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7563, 0.4062, 0.3458**, and the grayscale version is **51.9450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **28.7597, 0.2407, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **54.3808, 0.2433, 0.3059**, and if you desaturate by 10%, it is **61.6852, 0.2684, 0.3161**.

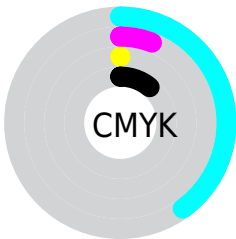
Distribution



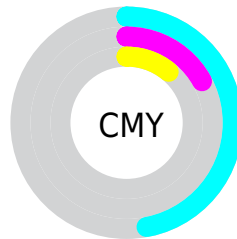
- Red (53%)
- Green (83%)
- Blue (89%)



- Red (53%)
- Yellow (69%)
- Blue (89%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8122, 0.2552, 0.3111 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 57.8122, 0.2552, 0.3111 by changing the saturation by 10% instead.

■ 57.8122, 0.2552,
0.3111

■ 57.8122, 0.2552,
0.3111

■ 416.4858, 0.2823,
0.3203

■ 41.6577, 0.2489,
0.3088

■ 101.6493, 0.2647,
0.3145

■ 28.8333, 0.2411,
0.3058

■ 130.1007, 0.2684,
0.3157

■ 18.9548, 0.2311,
0.3017

■ 163.4199, 0.2715,
0.3168

■ 11.6376, 0.2179,
0.2961

■ 201.9912, 0.2743,
0.3177

■ 6.4974, 0.1999,
0.2878

■ 246.1990, 0.2767,
0.3185

■ 3.1498, 0.1740,
0.2745

■ 296.4278, 0.2788,

■ 1.2105, 0.1312,

0.3192

0.2514

353.0619, 0.2807,
0.3198

0.0702, 0.0000,
0.0610

0.0000, 0.0000,
0.0000

57.8122, 0.2552,
0.3111

57.8122, 0.2552,
0.3111

54.3808, 0.2433,
0.3059

61.6852, 0.2684,
0.3161

51.3587, 0.2331,
0.3004

66.0162, 0.2827,
0.3208

48.7197, 0.2247,
0.2949

70.8292, 0.2976,
0.3251

46.4314, 0.2182,
0.2893

76.1442, 0.3130,
0.3291

■ 44.4555, 0.2136,
0.2837

■ 81.9801, 0.3286,
0.3327

■ 42.7265, 0.2107,
0.2783

■ 85.0670, 0.3324,
0.3361

■ 42.6942, 0.2106,
0.2781

■ 87.0756, 0.3319,
0.3395

■ 89.1240, 0.3315,
0.3430

■ 91.2123, 0.3311,
0.3463

Harmonies

Analogous

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



57.8122, 0.2706, 0.3413



57.8122, 0.2552, 0.3111



57.8122, 0.2543, 0.2880

Triad

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



57.8122, 0.2552, 0.3111



57.8122, 0.3259, 0.2931



57.8122, 0.3578, 0.3830

Complementary

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



57.8122, 0.2552, 0.3111



39.7563, 0.4062, 0.3458

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.



57.8122, 0.3744, 0.3666



57.8122, 0.2552, 0.3111



57.8122, 0.3558, 0.3155

Square

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



57.8122, 0.2552, 0.3111



57.8122, 0.2938, 0.2793



57.8122, 0.3739, 0.3418



57.8122, 0.3294, 0.3848

Rectangle

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



57.8122, 0.2552, 0.3111



57.8122, 0.2619, 0.2793



57.8122, 0.3739, 0.3418



57.8122, 0.3650, 0.3789

Sweetspot

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



57.8145, 0.2552, 0.3111



91.6553, 0.2942, 0.3242



61.8042, 0.2995, 0.4324



19.4361, 0.2922, 0.3236



0.0000, 0.0000, 0.0000



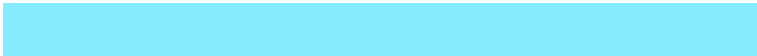
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8145, 0.2552, 0.3111



72.1549, 0.2450, 0.3066



38.5499, 0.2458, 0.2508



15.1905, 0.2982, 0.3253



24.5050, 0.2108, 0.2790



1.7976, 0.2132, 0.2875

Inverse Universe

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



38.5339, 0.3303, 0.2446



43.9808, 0.3351, 0.2277



56.7479, 0.3852, 0.3960



13.8971, 0.3161, 0.3094



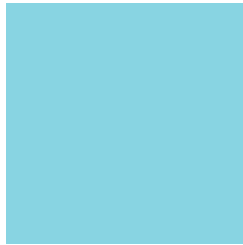
11.3818, 0.3644, 0.1781



0.7989, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 57.8122, 0.2552, 0.3111 looks on a white background.

Color Contrast Check

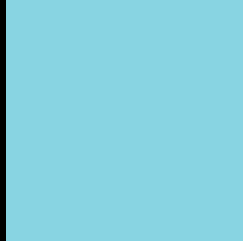
Large Text (above 18pt) WCAG AA × Fail

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 57.8122, 0.2552, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

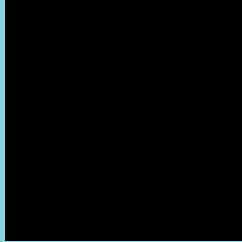
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8122, 0.2552, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 57.8122, 0.2552, 0.3111.



This preview shows how white text looks on a background with the Yxy color 57.8122, 0.2552, 0.3111.

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

57.8122, 0.2552, 0.3111

Protanopia

57.4037, 0.2992, 0.3067

Deuteranopia

57.1341, 0.2947, 0.2879



Tritanopia

58.0625, 0.2542, 0.3074

Trichromacy



Original Color

57.8122, 0.2552, 0.3111

Protanomaly

56.9931, 0.2810, 0.3082

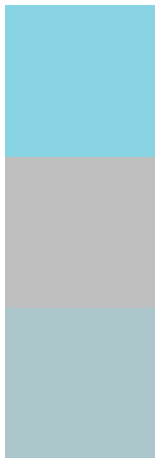
Deuteranomaly

57.0141, 0.2779, 0.2955

Tritanomaly

58.0068, 0.2547, 0.3086

Monochromacy



Original Color

57.8122, 0.2552, 0.3111

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.8644, 0.2882, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8122, 0.2552, 0.3111 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(136, 212, 226)` looks like.

```
.text, #text, p{  
    color:rgb(136, 212, 226)  
}
```

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(136, 212, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 212, 226) }
```

Border

The CSS property to change the border of an element to Yxy 57.8122, 0.2552, 0.3111 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(136, 212, 226) }
```

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

```
.border{ border-color:rgb(136, 212, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 212, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 212, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 212, 226);  
box-shadow:4px 4px 4px 4px rgb(136, 212,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8122, 0.2552, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 212, 226) }
```

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

```
.background{ background-color: rgb(136,  
212, 226) }
```

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