

Converting Colors

$Yxy(48.8827, 0.2319, 0.3010)$

Have a look what the booklet for
Yxy(48.8827, 0.2319, 0.3010)
contains.

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Color

Yxy(48.9250, 0.2319, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	55C9DD
RGB	85, 201, 221
RGB Percent	33%, 79%, 87%
CMY	0.6670, 0.2117, 0.1332
CMYK	0.62, 0.09, 0.00, 0.13
HSL	189°, 67%, 60%
HSV	189°, 62%, 87%
XYZ	37.6809, 48.9250, 75.8817
YIQ	168.5960, -75.5560, -18.3720

Conversions

Conversions Part 2

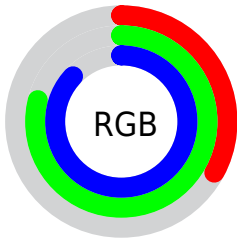
Format	Color
R _Y B	85, 148, 221
Decimal	5622237
CIE Lab	75.40, -26.68, -19.72
CIE LCh	75, 33.177, 216.479
Yxy	48.9250, 0.2319, 0.3011
Android (android.graphics.Color)	4283812317 (0xFF55C9DD)
YUV	168.5960, 25.8352, -73.3137
Hunter-Lab	69.9464, -26.2464, -15.3585

Details

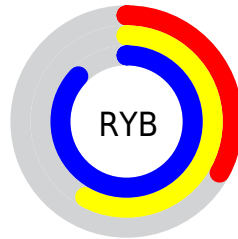
The Yxy color **48.9250, 0.2319, 0.3011** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.1213, 0.4912, 0.3514**, and the grayscale version is **39.3558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **23.6206, 0.2147, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **46.5503, 0.2239, 0.2959**, and if you desaturate by 10%, it is **51.6583, 0.2417, 0.3062**.

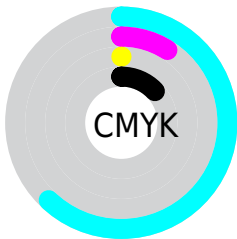
Distribution



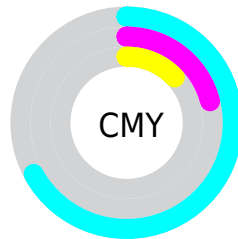
- Red (33%)
- Green (79%)
- Blue (87%)



- Red (33%)
- Yellow (58%)
- Blue (87%)



- Cyan (62%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)





- Cyan (67%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9250, 0.2319, 0.3011 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 48.9250, 0.2319, 0.3011 by changing the saturation by 10% instead.


 48.9250, 0.2319,
0.3011


 48.9250, 0.2319,
0.3011


382.4470, 0.2706,
0.3160

 34.5600, 0.2228,
0.2972


 88.5801, 0.2456,
0.3067


 23.3241, 0.2114,
0.2920


 114.6389, 0.2508,
0.3087

 14.8330, 0.1969,
0.2850


 145.3644, 0.2553,
0.3105

 8.7023, 0.1779,
0.2750

 181.1411, 0.2592,
0.3119

 4.5475, 0.1519,
0.2598

222.3533, 0.2626,
0.3131

 1.9843, 0.1156,
0.2349

269.3854, 0.2656,

 0.5983, 0.0000,

0.3142

0.1949

322.6219, 0.2683,
0.3152

0.0000, 0.0000,
0.0000

48.9250, 0.2319,
0.3011

48.9250, 0.2319,
0.3011

46.5503, 0.2239,
0.2959

51.6583, 0.2417,
0.3062

44.4973, 0.2179,
0.2906

54.7721, 0.2532,
0.3112

42.7301, 0.2138,
0.2854

58.2928, 0.2661,
0.3160

41.4107, 0.2114,
0.2811

62.2428, 0.2801,
0.3205

66.6428, 0.2950,
0.3246

71.5119, 0.3103,
0.3284

76.8683, 0.3258,
0.3319

81.4279, 0.3365,
0.3351

83.2232, 0.3360,
0.3383

Harmonies

Analogous

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



48.9250, 0.2522, 0.3449



48.9250, 0.2319, 0.3011



48.9250, 0.2314, 0.2698

Triad

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



48.9250, 0.2319, 0.3011



48.9250, 0.3323, 0.2797



48.9250, 0.3751, 0.4062

Complementary

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



48.9250, 0.2319, 0.3011



26.1213, 0.4912, 0.3514

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.



48.9250, 0.4003, 0.3814



48.9250, 0.2319, 0.3011



48.9250, 0.3753, 0.3103

Square

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



48.9250, 0.2319, 0.3011



48.9250, 0.2865, 0.2603



48.9250, 0.4009, 0.3465



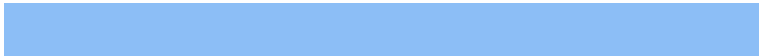
48.9250, 0.3341, 0.4100

Rectangle

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



48.9250, 0.2319, 0.3011



48.9250, 0.2421, 0.2587



48.9250, 0.4009, 0.3465



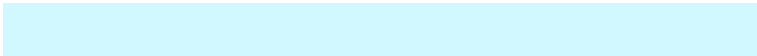
48.9250, 0.3858, 0.3997

Sweetspot

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



48.9268, 0.2319, 0.3011



88.0781, 0.2852, 0.3219



54.6350, 0.2957, 0.5040



18.4825, 0.2809, 0.3207



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.



48.9268, 0.2319, 0.3011



63.4623, 0.2219, 0.2943



24.4287, 0.2090, 0.2008



14.4861, 0.2982, 0.3255



24.1803, 0.2116, 0.2819



1.6573, 0.2140, 0.2903

Inverse Universe

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



26.0781, 0.3416, 0.2042



30.7513, 0.3490, 0.1879



45.2023, 0.4339, 0.4259



13.2402, 0.3160, 0.3093



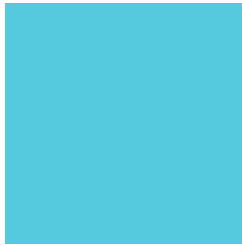
11.0648, 0.3617, 0.1766



0.7260, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 48.9250, 0.2319, 0.3011 looks on a white background.

Color Contrast Check

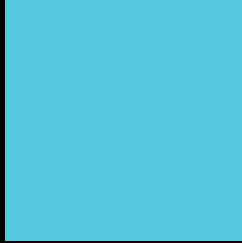
Large Text (above 18pt) WCAG AA × Fail

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 48.9250, 0.2319, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

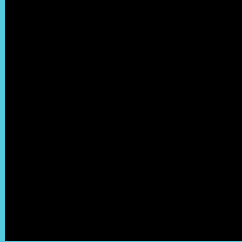
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9250, 0.2319, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 48.9250, 0.2319, 0.3011.

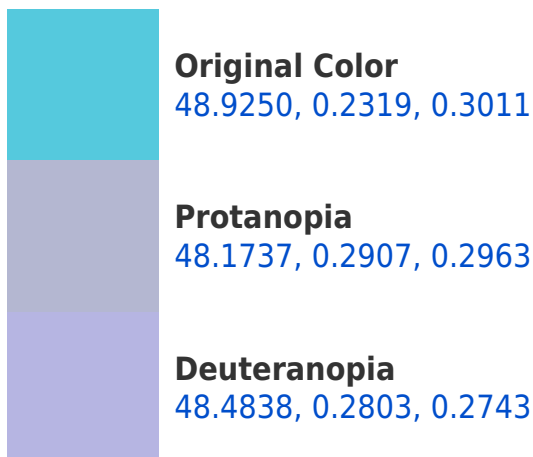


This preview shows how white text looks on a background with the Yxy color 48.9250, 0.2319, 0.3011.

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





Tritanopia

49.1420, 0.2329, 0.3065

Trichromacy



Original Color

48.9250, 0.2319, 0.3011

Protanomaly

47.6507, 0.2637, 0.2984

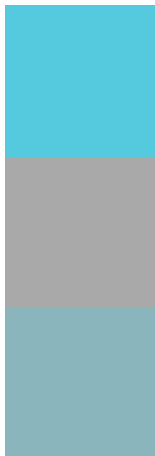
Deuteranomaly

47.5513, 0.2581, 0.2823

Tritanomaly

49.2404, 0.2328, 0.3052

Monochromacy



Original Color

48.9250, 0.2319, 0.3011

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.0819, 0.2734, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9250, 0.2319, 0.3011 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(85, 201, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 201, 221)  
}
```

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(85, 201, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 201, 221) }
```

Border

The CSS property to change the border of an element to Yxy 48.9250, 0.2319, 0.3011 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(85, 201, 221) }
```

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

```
.border{ border-color:rgb(85, 201, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 201, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 201, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 201, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 201,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9250, 0.2319, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 201, 221) }
```

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

```
.background{ background-color: rgb(85, 201,  
221) }
```

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](#).

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