

Converting Colors

$Y_{xy}(52.1363, 0.2381, 0.3149)$

Have a look what the booklet for
Yxy(52.1363, 0.2381, 0.3149)
contains.

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Color

Yxy(51.9629, 0.2378, 0.3137)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5CCFDA |
| RGB | 92, 207, 218 |
| RGB Percent | 36%, 81%, 85% |
| CMY | 0.6388, 0.1883, 0.1450 |
| CMYK | 0.58, 0.05, 0.00, 0.15 |
| HSL | 185°, 63%, 61% |
| HSV | 185°, 58%, 85% |
| XYZ | 39.3904, 51.9629, 74.2919 |
| YIQ | 173.8690, -72.0710, -20.9590 |

Conversions

Conversions Part 2

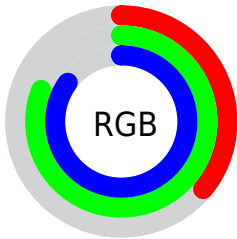
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 92, 152, 218 |
| Decimal | 6082522 |
| CIELab | 77.26, -29.20, -15.28 |
| CIELCh | 77, 32.953, 207.628 |
| Yxy | 51.9629, 0.2378, 0.3137 |
| Android (android.graphics.Color) | 4284272602 (0xFF5CCFDA) |
| YUV | 173.8690, 21.7566, -71.7991 |
| Hunter-Lab | 72.0853, -28.6094, -10.6452 |

Details

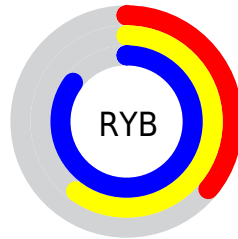
The Yxy color **51.9629, 0.2378, 0.3137** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.4095, 0.4807, 0.3420**, and the grayscale version is **42.1861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **25.1008, 0.2189, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **50.0782, 0.2299, 0.3107**, and if you desaturate by 10%, it is **54.1858, 0.2476, 0.3167**.

Distribution



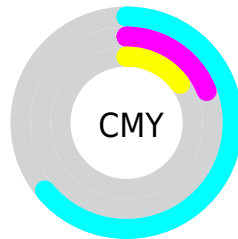
- Red (36%)
- Green (81%)
- Blue (85%)



- Red (36%)
- Yellow (60%)
- Blue (85%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)





- Cyan (64%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9629, 0.2378, 0.3137 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 51.9629, 0.2378, 0.3137 by changing the saturation by 10% instead.


 51.9629, 0.2378,
0.3137


 51.9629, 0.2378,
0.3137


394.2934, 0.2735,
0.3222

 36.9755, 0.2294,
0.3114


 93.0765, 0.2504,
0.3170

 25.1885, 0.2190,
0.3082


 119.9715, 0.2552,
0.3181

 16.2176, 0.2057,
0.3039


 151.6046, 0.2594,
0.3191

 9.6782, 0.1881,
0.2976

 188.3600, 0.2630,
0.3199

 5.1861, 0.1641,
0.2878

230.6221, 0.2661,
0.3206

 2.3569, 0.1300,
0.2709

278.7755, 0.2689,

 0.8036, 0.0161,

0.3212

0.2538

333.2045, 0.2713,
0.3218

0.0000, 0.0000,
0.0000

51.9629, 0.2378,
0.3137

51.9629, 0.2378,
0.3137

50.0782, 0.2299,
0.3107

54.1858, 0.2476,
0.3167

48.4972, 0.2239,
0.3077

56.7663, 0.2590,
0.3195

47.1884, 0.2198,
0.3047

59.7290, 0.2719,
0.3223

46.1050, 0.2174,
0.3017

63.0947, 0.2859,
0.3249

45.8755, 0.2170,
0.3010

66.8826, 0.3008,
0.3273

■ 71.1109, 0.3162,
0.3295

■ 75.7964, 0.3319,
0.3315

■ 78.7038, 0.3392,
0.3333

■ 79.7251, 0.3389,
0.3353

Harmonies

Analogous

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



51.9629, 0.2630, 0.3575



51.9629, 0.2378, 0.3137



51.9629, 0.2315, 0.2787

Triad

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



51.9629, 0.2378, 0.3137



51.9629, 0.3183, 0.2740



51.9629, 0.3829, 0.3988

Complementary

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



51.9629, 0.2378, 0.3137



25.4095, 0.4807, 0.3420

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.



51.9629, 0.4009, 0.3708



51.9629, 0.2378, 0.3137



51.9629, 0.3625, 0.3012

Square

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



51.9629, 0.2378, 0.3137



51.9629, 0.2755, 0.2591



51.9629, 0.3936, 0.3356



51.9629, 0.3463, 0.4093

Rectangle

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



51.9629, 0.2378, 0.3137



51.9629, 0.2382, 0.2643



51.9629, 0.3936, 0.3356



51.9629, 0.3914, 0.3908

Sweetspot

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



51.9649, 0.2378, 0.3137



90.2874, 0.2868, 0.3250



53.4023, 0.2993, 0.5006



19.1052, 0.2838, 0.3245



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.



51.9649, 0.2378, 0.3137



70.9665, 0.2286, 0.3101



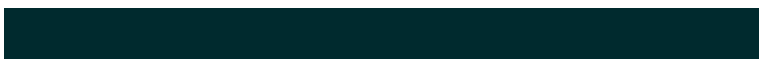
27.4636, 0.2175, 0.2200



14.6244, 0.2982, 0.3269



27.5610, 0.2171, 0.3015



1.8440, 0.2184, 0.3063

Inverse Universe

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



27.0857, 0.3309, 0.2036



33.1264, 0.3351, 0.1859



42.7929, 0.4300, 0.4144



13.2542, 0.3151, 0.3079



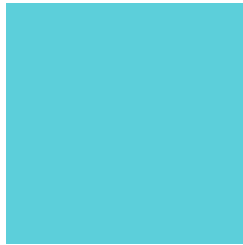
11.4061, 0.3441, 0.1669



0.7448, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 51.9629, 0.2378, 0.3137 looks on a white background.

Color Contrast Check

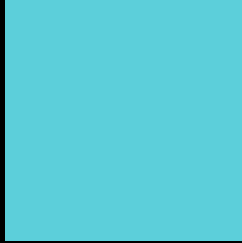
Large Text (above 18pt) WCAG AA × Fail

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 51.9629, 0.2378, 0.3137 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 51.9629, 0.2378, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 51.9629, 0.2378, 0.3137.



This preview shows how white text looks on a background with the Yxy color 51.9629, 0.2378, 0.3137.

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

51.9629, 0.2378, 0.3137

Protanopia

51.1140, 0.2993, 0.3068

Deuteranopia

51.2321, 0.2902, 0.2837



Tritanopia

51.8500, 0.2359, 0.3058

Trichromacy



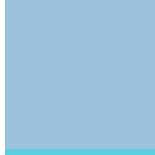
Original Color

51.9629, 0.2378, 0.3137



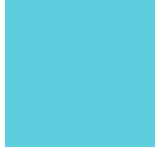
Protanomaly

50.4557, 0.2715, 0.3093



Deuteranomaly

50.4283, 0.2665, 0.2932



Tritanomaly

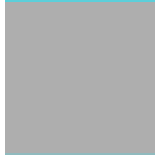
51.6902, 0.2365, 0.3084

Monochromacy



Original Color

51.9629, 0.2378, 0.3137



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.7648, 0.2770, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9629, 0.2378, 0.3137 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(92, 207, 218)` looks like.

```
.text, #text, p{  
    color:rgb(92, 207, 218)  
}
```

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(92, 207, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 207, 218) }
```

Border

The CSS property to change the border of an element to Yxy 51.9629, 0.2378, 0.3137 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(92, 207, 218) }
```

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

```
.border{ border-color:rgb(92, 207, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 207, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 207, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 207, 218);  
box-shadow:4px 4px 4px 4px rgb(92, 207,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9629, 0.2378, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 207, 218) }
```

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

```
.background{ background-color: rgb(92, 207,  
218) }
```

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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