

Converting Colors

$Y_{xy}(51.8779, 0.2125, 0.2848)$

Have a look what the booklet for
Yxy(51.8779, 0.2125, 0.2848)
contains.

Yxy(51.9583, 0.2128, 0.2857)	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(51.9583, 0.2128, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	02D1F1
RGB	2, 209, 241
RGB Percent	1%, 82%, 95%
CMY	0.9912, 0.1804, 0.0549
CMYK	0.99, 0.13, 0.00, 0.05
HSL	188°, 98%, 48%
HSV	188°, 99%, 95%
XYZ	38.7005, 51.9583, 91.2044
YIQ	150.7550, -133.6440, -33.9320

Conversions

Conversions Part 2

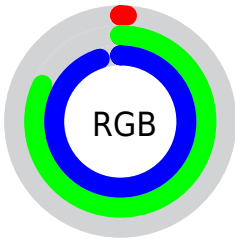
Format	Color
R _Y B	2, 113, 241
Decimal	184817
CIE Lab	77.26, -31.37, -27.74
CIE LCh	77, 41.881, 221.488
Yxy	51.9583, 0.2128, 0.2857
Android (android.graphics.Color)	4278374897 (0xFF02D1F1)
YUV	150.7550, 44.4908, -130.4581
Hunter-Lab	72.0821, -30.3080, -24.5612

Details

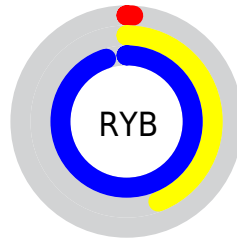
The Yxy color **51.9583, 0.2128, 0.2857** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8633, 0.6282, 0.3385**, and the grayscale version is **30.7153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **26.6140, 0.2096, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **51.7985, 0.2126, 0.2853**, and if you desaturate by 10%, it is **53.7712, 0.2155, 0.2904**.

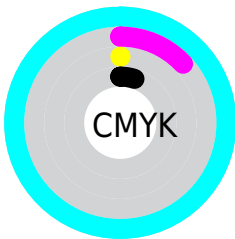
Distribution



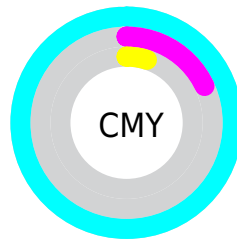
- Red (1%)
- Green (82%)
- Blue (95%)



- Red (1%)
- Yellow (44%)
- Blue (95%)



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)
- Black (5%)





- Cyan (99%)
- Magenta (18%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9583, 0.2128, 0.2857 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 51.9583, 0.2128, 0.2857 by changing the saturation by 10% instead.


 51.9583, 0.2128,
0.2857

 51.9583, 0.2128,
0.2857


394.2756, 0.2595,
0.3083

 36.9718, 0.2022,
0.2799


 93.0697, 0.2290,
0.2941

 25.1857, 0.1892,
0.2725


 119.9635, 0.2353,
0.2972

 16.2155, 0.1730,
0.2626


 151.5952, 0.2407,
0.2998

 9.6767, 0.1523,
0.2490

 188.3491, 0.2455,
0.3020

 5.1852, 0.1255,
0.2294

 230.6097, 0.2496,
0.3039

 2.3563, 0.0904,
0.1996

278.7614, 0.2533,

 0.8033, 0.0000,

0.3056

0.1590

333.1886, 0.2566,
0.3070

■ 0.0000, 0.0000,
0.0000

■ 51.9583, 0.2128,
0.2857

■ 51.9583, 0.2128,
0.2857

■ 51.7985, 0.2126,
0.2853

■ 53.7712, 0.2155,
0.2904

■ 55.8702, 0.2199,
0.2951

■ 58.3245, 0.2262,
0.2999

■ 61.1784, 0.2345,
0.3047

■ 64.4696, 0.2446,
0.3093

■ 68.2309, 0.2563,
0.3138

■ 72.4920, 0.2695,
0.3181

■ 77.2797, 0.2837,
0.3222

■ 82.6191, 0.2987,
0.3259

Harmonies

Analogous

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



51.9583, 0.2328, 0.3384



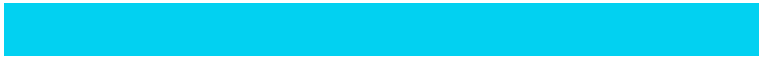
51.9583, 0.2128, 0.2857



51.9583, 0.2164, 0.2519

Triad

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



51.9583, 0.2128, 0.2857



51.9583, 0.3461, 0.2745



51.9583, 0.3810, 0.4269

Complementary

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



51.9583, 0.2128, 0.2857



19.8633, 0.6282, 0.3385

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.



51.9583, 0.4170, 0.3980



51.9583, 0.2128, 0.2857



51.9583, 0.3976, 0.3125

Square

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



51.9583, 0.2128, 0.2857



51.9583, 0.2889, 0.2488



51.9583, 0.4241, 0.3562



51.9583, 0.3285, 0.4283

Rectangle

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



51.9583, 0.2128, 0.2857



51.9583, 0.2315, 0.2416



51.9583, 0.4241, 0.3562



51.9583, 0.3956, 0.4196

Sweetspot

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



51.9602, 0.2128, 0.2857



81.8944, 0.2681, 0.3177



63.0387, 0.2974, 0.5901



17.0805, 0.2624, 0.3159



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.



51.9602, 0.2128, 0.2857



58.8348, 0.2125, 0.2851



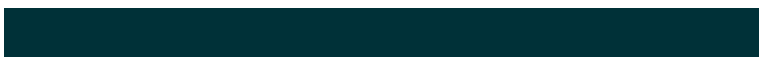
13.6410, 0.1656, 0.1156



17.5464, 0.2981, 0.3257



28.2355, 0.2128, 0.2860



2.4481, 0.2145, 0.2922

Inverse Universe

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



23.3516, 0.3582, 0.1750



26.4706, 0.3588, 0.1750



41.6357, 0.5028, 0.4384



15.9928, 0.3158, 0.3088



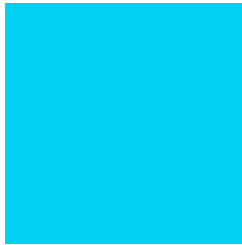
12.6437, 0.3579, 0.1745



1.0619, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 51.9583, 0.2128, 0.2857 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 51.9583, 0.2128, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

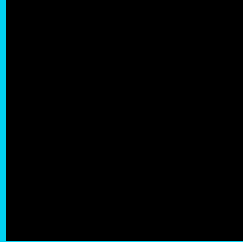
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9583, 0.2128, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 51.9583, 0.2128, 0.2857.



This preview shows how white text looks on a background with the Yxy color 51.9583, 0.2128, 0.2857.

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

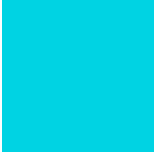
51.9647, 0.2128, 0.2857

Protanopia

51.2812, 0.2801, 0.2830

Deuteranopia

51.1187, 0.2646, 0.2585



Tritanopia

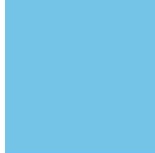
52.1346, 0.2185, 0.3065

Trichromacy



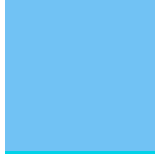
Original Color

51.9647, 0.2128, 0.2857



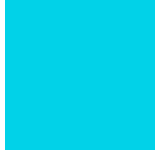
Protanomaly

48.9624, 0.2388, 0.2827



Deuteranomaly

48.6259, 0.2309, 0.2646



Tritanomaly

51.9258, 0.2163, 0.2985

Monochromacy



Original Color

51.9647, 0.2128, 0.2857



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.5071, 0.2474, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9583, 0.2128, 0.2857 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(2, 209, 241)` looks like.

```
.text, #text, p{  
    color:rgb(2, 209, 241)  
}
```

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(2, 209, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 209, 241) }
```

Border

The CSS property to change the border of an element to Yxy 51.9583, 0.2128, 0.2857 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(2, 209, 241) }
```

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

```
.border{ border-color:rgb(2, 209, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 209, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 209, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 209, 241);  
box-shadow:4px 4px 4px 4px rgb(2, 209,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9583, 0.2128, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 209, 241) }
```

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

```
.background{ background-color: rgb(2, 209,  
241) }
```

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