

Converting Colors

$Y_{xy}(50.0594, 0.2170, 0.3016)$

Have a look what the booklet for
Yxy(50.0594, 0.2170, 0.3016)
contains.

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Color

Yxy(50.1166, 0.2173, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	01CFE2
RGB	1, 207, 226
RGB Percent	0%, 81%, 89%
CMY	0.9964, 0.1883, 0.1137
CMYK	1.00, 0.08, 0.00, 0.11
HSL	185°, 99%, 44%
HSV	185°, 100%, 89%
XYZ	36.0488, 50.1166, 79.7287
YIQ	147.5720, -128.8750, -37.7630

Conversions

Conversions Part 2

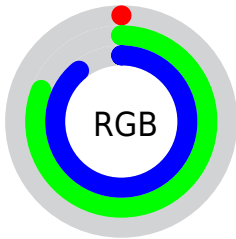
Format	Color
RYB	1, 109, 226
Decimal	118754
CIELab	76.14, -35.23, -21.40
CIElCh	76, 41.223, 211.278
Yxy	50.1166, 0.2173, 0.3021
Android (android.graphics.Color)	4278308834 (0xFF01CFE2)
YUV	147.5720, 38.6650, -128.5436
Hunter-Lab	70.7931, -32.9933, -17.2185

Details

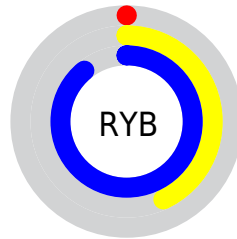
The Yxy color **50.1166, 0.2173, 0.3021** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.6696, 0.6341, 0.3343**, and the grayscale version is **29.2899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **25.3967, 0.2150, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **50.0751, 0.2172, 0.3020**, and if you desaturate by 10%, it is **51.2315, 0.2195, 0.3049**.

Distribution



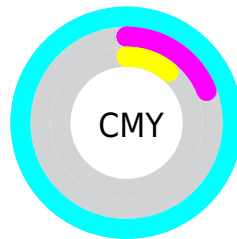
- Red (0%)
- Green (81%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1166, 0.2173, 0.3021 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 50.1166, 0.2173, 0.3021 by changing the saturation by 10% instead.


 50.1166, 0.2173,
0.3021


 50.1166, 0.2173,
0.3021

387.1217, 0.2625,
0.3169


 35.5061, 0.2069,
0.2981


 90.3476, 0.2331,
0.3078


 24.0530, 0.1940,
0.2928


 116.7369, 0.2392,
0.3098

 15.3729, 0.1777,
0.2855


 147.8211, 0.2445,
0.3115

 9.0815, 0.1567,
0.2750

 183.9848, 0.2490,
0.3129

 4.7944, 0.1289,
0.2591

 225.6124, 0.2530,
0.3142

 2.1271, 0.0918,
0.2329

273.0881, 0.2565,

 0.6798, 0.0000,

0.3152

0.1911

326.7964, 0.2597,
0.3161

■ 0.0000, 0.0000,
0.0000

■ 50.1166, 0.2173,
0.3021

■ 50.1166, 0.2173,
0.3021

■ 50.0751, 0.2172,
0.3020

■ 51.2315, 0.2195,
0.3049

■ 52.5687, 0.2231,
0.3078

■ 54.1932, 0.2287,
0.3108

■ 56.1432, 0.2362,
0.3137

■ 58.4506, 0.2456,
0.3165

■ 61.1437, 0.2567,
0.3193

■ 64.2477, 0.2693,
0.3220

■ 67.7856, 0.2832,
0.3246

■ 71.7789, 0.2980,
0.3269

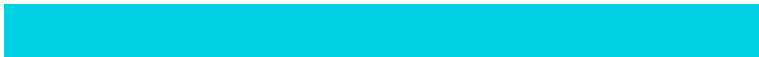
Harmonies

Analogous

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



50.1166, 0.2451, 0.3582



50.1166, 0.2173, 0.3021



50.1166, 0.2129, 0.2611

Triad

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



50.1166, 0.2173, 0.3021



50.1166, 0.3263, 0.2643



50.1166, 0.3956, 0.4191

Complementary

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



50.1166, 0.2173, 0.3021



16.6696, 0.6341, 0.3343

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.



50.1166, 0.4228, 0.3844



50.1166, 0.2173, 0.3021



50.1166, 0.3817, 0.2987

Square

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



50.1166, 0.2173, 0.3021



50.1166, 0.2715, 0.2440



50.1166, 0.4183, 0.3411



50.1166, 0.3472, 0.4314

Rectangle

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



50.1166, 0.2173, 0.3021



50.1166, 0.2229, 0.2459



50.1166, 0.4183, 0.3411



50.1166, 0.4076, 0.4092

Sweetspot

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



50.1184, 0.2173, 0.3021



84.2099, 0.2685, 0.3219



54.4515, 0.2987, 0.5951



17.6422, 0.2631, 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.



50.1184, 0.2173, 0.3021



65.7574, 0.2172, 0.3018



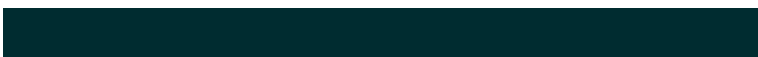
13.6281, 0.1694, 0.1297



15.3638, 0.2982, 0.3270



28.6524, 0.2174, 0.3024



2.0452, 0.2186, 0.3068

Inverse Universe

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



20.6942, 0.3436, 0.1667



27.1694, 0.3438, 0.1668



32.7334, 0.5174, 0.4271



13.9146, 0.3151, 0.3078



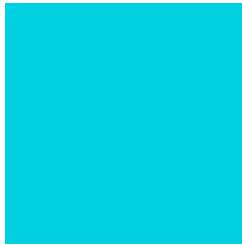
11.8005, 0.3433, 0.1665



0.8239, 0.3394, 0.1644

Previews

White Background



This preview shows how the Yxy color 50.1166, 0.2173, 0.3021 looks on a white background.

Color Contrast Check

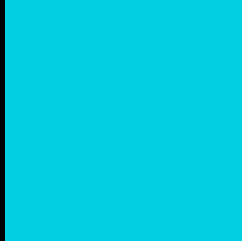
Large Text (above 18pt) WCAG AA × Fail

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 50.1166, 0.2173, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

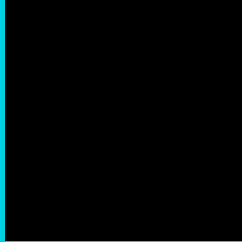
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1166, 0.2173, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 50.1166, 0.2173, 0.3021.

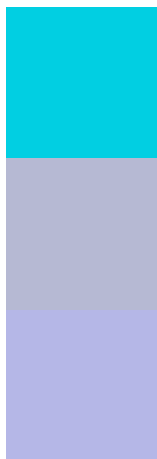


This preview shows how white text looks on a background with the Yxy color 50.1166, 0.2173, 0.3021.

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

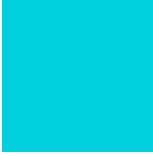
50.1231, 0.2173, 0.3021

Protanopia

49.3462, 0.2909, 0.2966

Deuteranopia

49.4603, 0.2764, 0.2712



Tritanopia

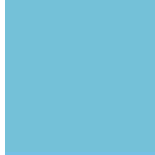
50.0075, 0.2180, 0.3048

Trichromacy



Original Color

50.1231, 0.2173, 0.3021



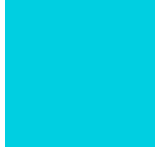
Protanomaly

46.8108, 0.2456, 0.2973



Deuteranomaly

47.0694, 0.2387, 0.2796



Tritanomaly

50.0619, 0.2176, 0.3035

Monochromacy



Original Color

50.1231, 0.2173, 0.3021



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.9434, 0.2502, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1166, 0.2173, 0.3021 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(1, 207, 226)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 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(1, 207, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 226) }
```

Border

The CSS property to change the border of an element to Yxy 50.1166, 0.2173, 0.3021 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(1, 207, 226) }
```

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

```
.border{ border-color:rgb(1, 207, 226) }
```

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

Here you see how a box with a 4 pixel rgb(1, 207, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 226);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1166, 0.2173, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 226) }
```

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

```
.background{ background-color: rgb(1, 207,  
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](#).

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