

Converting Colors

$Y_{xy}(50.4071, 0.2086, 0.2700)$

Have a look what the booklet for
Yxy(50.4071, 0.2086, 0.2700)
contains.

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Color

Yxy(50.5409, 0.2087, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	05CDF9
RGB	5, 205, 249
RGB Percent	2%, 80%, 98%
CMY	0.9800, 0.1960, 0.0236
CMYK	0.98, 0.18, 0.00, 0.02
HSL	191°, 96%, 50%
HSV	191°, 98%, 98%
XYZ	38.9940, 50.5409, 97.3076
YIQ	150.2160, -133.3240, -28.7160

Conversions

Conversions Part 2

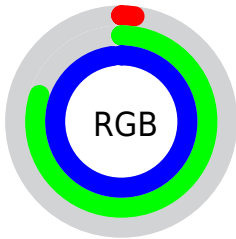
Format	Color
RYB	5, 115, 249
Decimal	380409
CIELab	76.40, -26.75, -33.34
CIELCh	76, 42.741, 231.255
Yxy	50.5409, 0.2087, 0.2705
Android (android.graphics.Color)	4278570489 (0xFF05CDF9)
YUV	150.2160, 48.7005, -127.3544
Hunter-Lab	71.0921, -26.5040, -31.3889

Details

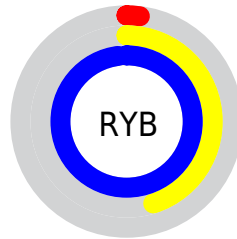
The Yxy color **50.5409, 0.2087, 0.2705** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.3504, 0.6194, 0.3445**, and the grayscale version is **30.4456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **25.9390, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **50.0704, 0.2081, 0.2692**, and if you desaturate by 10%, it is **52.9645, 0.2121, 0.2770**.

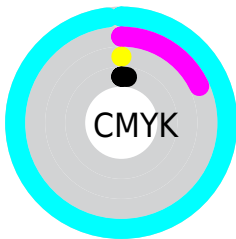
Distribution



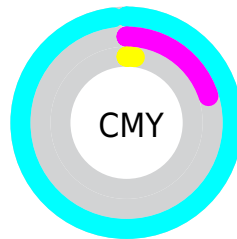
- Red (2%)
- Green (80%)
- Blue (98%)



- Red (2%)
- Yellow (45%)
- Blue (98%)



- Cyan (98%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)




- Cyan (98%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5409, 0.2087, 0.2705 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 50.5409, 0.2087, 0.2705 by changing the saturation by 10% instead.


 50.5409, 0.2087,
0.2705

 50.5409, 0.2087,
0.2705


388.7774, 0.2573,
0.3003

 35.8434, 0.1977,
0.2631


 90.9758, 0.2255,
0.2813


 24.3133, 0.1843,
0.2537


 117.4819, 0.2321,
0.2854

 15.5662, 0.1676,
0.2415


 148.6931, 0.2377,
0.2889

 9.2177, 0.1465,
0.2250

 184.9936, 0.2427,
0.2918

 4.8834, 0.1194,
0.2019

 226.7679, 0.2470,
0.2944

 2.1790, 0.0846,
0.1685

274.4004, 0.2508,

 0.7085, 0.0035,

0.2966

0.1222

328.2754, 0.2542,
0.2986

■ 0.0000, 0.0000,
0.0000

■ 50.5409, 0.2087,
0.2705

■ 50.5409, 0.2087,
0.2705

■ 50.0704, 0.2081,
0.2692

■ 52.9645, 0.2121,
0.2770

■ 55.7386, 0.2173,
0.2836

■ 58.9294, 0.2245,
0.2902

■ 62.5841, 0.2336,
0.2967

■ 66.7432, 0.2445,
0.3031

■ 71.4421, 0.2569,
0.3092

■ 76.7127, 0.2706,
0.3150

■ 82.5844, 0.2852,
0.3204

■ 89.0843, 0.3004,
0.3254

Harmonies

Analogous

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



50.5409, 0.2213, 0.3194



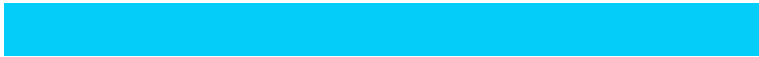
50.5409, 0.2087, 0.2705



50.5409, 0.2201, 0.2433

Triad

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



50.5409, 0.2087, 0.2705



50.5409, 0.3660, 0.2846



50.5409, 0.3664, 0.4342

Complementary

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



50.5409, 0.2087, 0.2705



22.3504, 0.6194, 0.3445

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.



50.5409, 0.4106, 0.4116



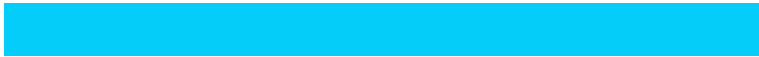
50.5409, 0.2087, 0.2705



50.5409, 0.4126, 0.3261

Square

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



50.5409, 0.2087, 0.2705



50.5409, 0.3067, 0.2535



50.5409, 0.4289, 0.3713



50.5409, 0.3100, 0.4240

Rectangle

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



50.5409, 0.2087, 0.2705



50.5409, 0.2405, 0.2378



50.5409, 0.4289, 0.3713



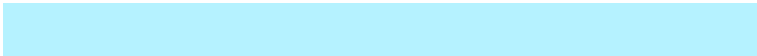
50.5409, 0.3832, 0.4296

Sweetspot

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



50.5427, 0.2087, 0.2705



80.3570, 0.2690, 0.3144



67.9690, 0.2961, 0.5846



16.6810, 0.2631, 0.3119



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.



50.5427, 0.2087, 0.2705



52.8355, 0.2081, 0.2691



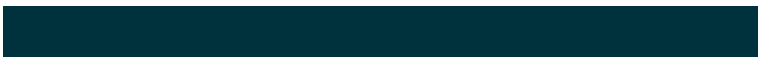
13.5910, 0.1638, 0.1085



19.0450, 0.2980, 0.3246



26.9981, 0.2084, 0.2702



2.6346, 0.2106, 0.2780

Inverse Universe

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



24.6561, 0.3723, 0.1831



25.8649, 0.3737, 0.1832



48.0391, 0.4924, 0.4461



17.4677, 0.3166, 0.3098



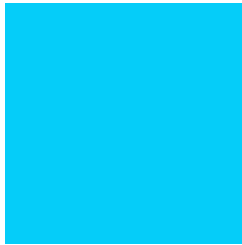
13.1364, 0.3726, 0.1826



1.2302, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 50.5409, 0.2087, 0.2705 looks on a white background.

Color Contrast Check

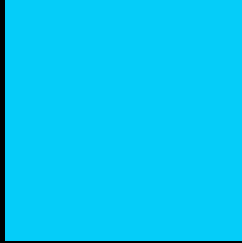
Large Text (above 18pt) WCAG AA × Fail

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 50.5409, 0.2087, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

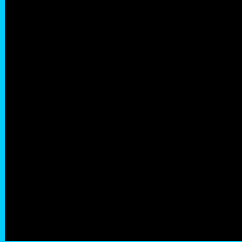
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5409, 0.2087, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 50.5409, 0.2087, 0.2705.

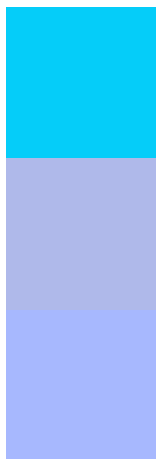


This preview shows how white text looks on a background with the Yxy color 50.5409, 0.2087, 0.2705.

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

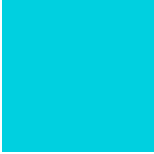
50.5345, 0.2087, 0.2705

Protanopia

49.7524, 0.2704, 0.2697

Deuteranopia

49.6522, 0.2532, 0.2467



Tritanopia

50.4936, 0.2184, 0.3063

Trichromacy



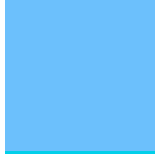
Original Color

50.5345, 0.2087, 0.2705



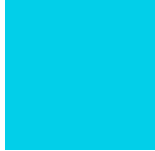
Protanomaly

47.4420, 0.2326, 0.2675



Deuteranomaly

47.9157, 0.2247, 0.2527



Tritanomaly

50.5217, 0.2148, 0.2930

Monochromacy



Original Color

50.5345, 0.2087, 0.2705



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.8360, 0.2456, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5409, 0.2087, 0.2705 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(5, 205, 249)` looks like.

```
.text, #text, p{  
  color:rgb(5, 205, 249)  
}
```

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(5, 205, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 205, 249) }
```

Border

The CSS property to change the border of an element to Yxy 50.5409, 0.2087, 0.2705 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(5, 205, 249) }
```

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

```
.border{ border-color:rgb(5, 205, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 205, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 205, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 205, 249);  
box-shadow:4px 4px 4px 4px rgb(5, 205,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5409, 0.2087, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 205, 249) }
```

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

```
.background{ background-color: rgb(5, 205,  
249) }
```

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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