

Converting Colors

$Yxy(41.3366, 0.1172, 0.2695)$

Have a look what the booklet for
Yxy(41.3366, 0.1172, 0.2695)
contains.

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Color

Yxy(52.2547, 0.2110, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	00D1F6
RGB	0, 209, 246
RGB Percent	0%, 82%, 96%
CMY	1.0000, 0.1804, 0.0353
CMYK	1.00, 0.15, 0.00, 0.04
HSL	189°, 100%, 48%
HSV	189°, 100%, 96%
XYZ	39.4340, 52.2547, 95.2022
YIQ	150.7270, -136.4410, -32.8010

Conversions

Conversions Part 2

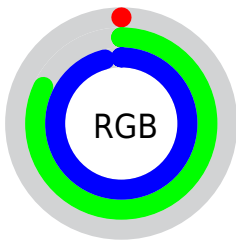
Format	Color
RYB	0, 113, 246
Decimal	53750
CIELab	77.43, -29.81, -30.15
CIELCh	77, 42.402, 225.330
Yxy	52.2547, 0.2110, 0.2796
Android (android.graphics.Color)	4278243830 (0xFF00D1F6)
YUV	150.7270, 46.9696, -132.1876
Hunter-Lab	72.2874, -29.1283, -27.4835

Details

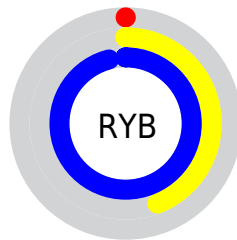
The Yxy color **52.2547, 0.2110, 0.2796** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.9177, 0.6279, 0.3396**, and the grayscale version is **30.6657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **26.8289, 0.2075, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **52.2574, 0.2110, 0.2796**, and if you desaturate by 10%, it is **54.2961, 0.2138, 0.2849**.

Distribution



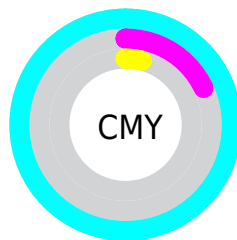
- Red (0%)
- Green (82%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (18%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2547, 0.2110, 0.2796 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 52.2547, 0.2110, 0.2796 by changing the saturation by 10% instead.

 52.2547, 0.2110,
0.2796


 52.2547, 0.2110,
0.2796


 395.4191, 0.2584,
0.3051


 37.2081, 0.2003,
0.2732


 93.5068, 0.2274,
0.2889


 25.3687, 0.1872,
0.2650


 120.4810, 0.2338,
0.2924

 16.3519, 0.1709,
0.2543


 152.2000, 0.2393,
0.2954

 9.7735, 0.1503,
0.2396

 189.0481, 0.2441,
0.2979

 5.2491, 0.1236,
0.2188

 231.4096, 0.2483,
0.3000

 2.3941, 0.0891,
0.1879

279.6690, 0.2521,

 0.8229, 0.0096,

0.3019

0.1454

334.2107, 0.2554,
0.3036

■ 0.0000, 0.0000,
0.0000

■ 52.2547, 0.2110,
0.2796

■ 52.2547, 0.2110,
0.2796

■ 52.2574, 0.2110,
0.2796

■ 54.2961, 0.2138,
0.2849

■ 56.6319, 0.2182,
0.2903

■ 59.3442, 0.2246,
0.2957

■ 62.4806, 0.2329,
0.3011

■ 66.0812, 0.2430,
0.3064

■ 70.1811, 0.2548,
0.3115

■ 74.8118, 0.2680,
0.3164

■ 80.0020, 0.2822,
0.3209

■ 85.7783, 0.2973,
0.3251

Harmonies

Analogous

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



52.2547, 0.2281, 0.3309



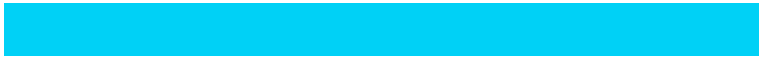
52.2547, 0.2110, 0.2796



52.2547, 0.2177, 0.2483

Triad

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



52.2547, 0.2110, 0.2796



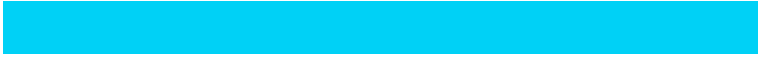
52.2547, 0.3539, 0.2783



52.2547, 0.3755, 0.4300

Complementary

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



52.2547, 0.2110, 0.2796



20.9177, 0.6279, 0.3396

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.



52.2547, 0.4148, 0.4033



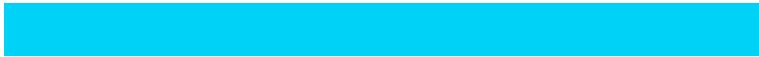
52.2547, 0.2110, 0.2796



52.2547, 0.4036, 0.3177

Square

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



52.2547, 0.2110, 0.2796



52.2547, 0.2957, 0.2505



52.2547, 0.4263, 0.3620



52.2547, 0.3213, 0.4270

Rectangle

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



52.2547, 0.2110, 0.2796



52.2547, 0.2348, 0.2400



52.2547, 0.4263, 0.3620



52.2547, 0.3910, 0.4237

Sweetspot

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



52.2574, 0.2110, 0.2796



81.1409, 0.2679, 0.3163



66.0496, 0.2970, 0.5893



16.8980, 0.2622, 0.3143



0.0000, 0.0000, 0.0000



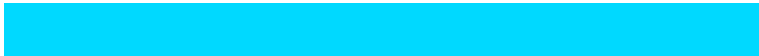
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2574, 0.2110, 0.2796



56.6621, 0.2110, 0.2795



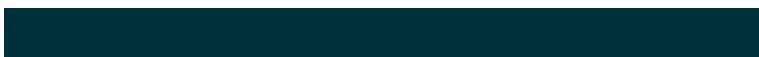
13.3264, 0.1637, 0.1092



18.3081, 0.2980, 0.3253



28.0564, 0.2113, 0.2805



2.5787, 0.2131, 0.2872

Inverse Universe

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



24.1980, 0.3638, 0.1778



26.2512, 0.3639, 0.1778



44.7032, 0.4995, 0.4416



16.7229, 0.3161, 0.3091



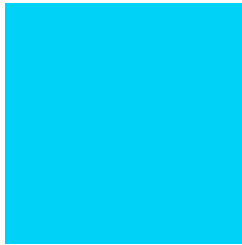
12.9317, 0.3630, 0.1773



1.1480, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 52.2547, 0.2110, 0.2796 looks on a white background.

Color Contrast Check

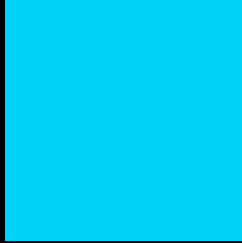
Large Text (above 18pt) WCAG AA × Fail

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 52.2547, 0.2110, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

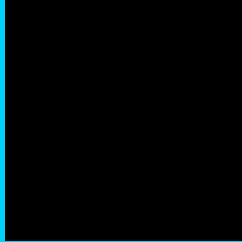
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2547, 0.2110, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 52.2547, 0.2110, 0.2796.

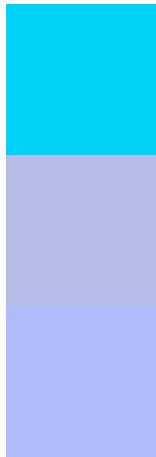


This preview shows how white text looks on a background with the Yxy color 52.2547, 0.2110, 0.2796.

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

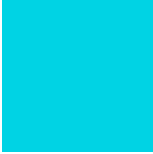
52.2547, 0.2110, 0.2796

Protanopia

51.4393, 0.2762, 0.2773

Deuteranopia

51.6196, 0.2605, 0.2544



Tritanopia

52.1900, 0.2181, 0.3052

Trichromacy



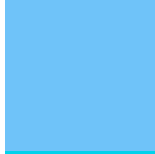
Original Color

52.2547, 0.2110, 0.2796



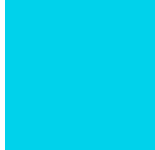
Protanomaly

49.1808, 0.2360, 0.2767



Deuteranomaly

49.2493, 0.2281, 0.2602



Tritanomaly

52.0913, 0.2152, 0.2947

Monochromacy



Original Color

52.2547, 0.2110, 0.2796



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.5370, 0.2456, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2547, 0.2110, 0.2796 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(0, 209, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 246)  
}
```

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(0, 209, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 246) }
```

Border

The CSS property to change the border of an element to Yxy 52.2547, 0.2110, 0.2796 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(0, 209, 246) }
```

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

```
.border{ border-color:rgb(0, 209, 246) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2547, 0.2110, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 246) }
```

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

```
.background{ background-color: rgb(0, 209,  
246) }
```

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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