

Converting Colors

$Y_{xy}(54.3923, 0.2112, 0.2803)$

Have a look what the booklet for
Yxy(54.3923, 0.2112, 0.2803)
contains.

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Color

Yxy(54.4906, 0.2112, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	00D5FA
RGB	0, 213, 250
RGB Percent	0%, 84%, 98%
CMY	1.0000, 0.1647, 0.0196
CMYK	1.00, 0.15, 0.00, 0.02
HSL	189°, 100%, 49%
HSV	189°, 100%, 98%
XYZ	41.0428, 54.4906, 98.7982
YIQ	153.5310, -138.8250, -33.6490

Conversions

Conversions Part 2

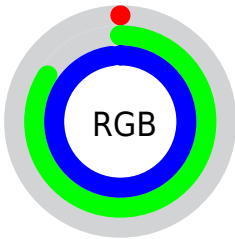
Format	Color
RYB	0, 115, 250
Decimal	54778
CIELab	78.75, -30.47, -30.27
CIELCh	79, 42.948, 224.810
Yxy	54.4906, 0.2112, 0.2804
Android (android.graphics.Color)	4278244858 (0xFF00D5FA)
YUV	153.5310, 47.5592, -134.6467
Hunter-Lab	73.8177, -29.9346, -27.6818

Details

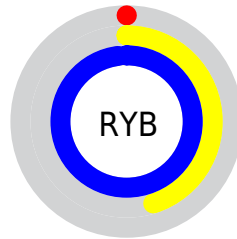
The Yxy color **54.4906, 0.2112, 0.2804** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.6471, 0.6283, 0.3393**, and the grayscale version is **31.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **28.3040, 0.2083, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **54.4968, 0.2112, 0.2804**, and if you desaturate by 10%, it is **56.5859, 0.2140, 0.2856**.

Distribution



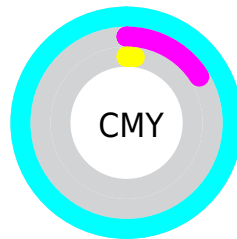
- Red (0%)
- Green (84%)
- Blue (98%)



- Red (0%)
- Yellow (45%)
- Blue (98%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (16%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4906, 0.2112, 0.2804 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 54.4906, 0.2112, 0.2804 by changing the saturation by 10% instead.


 54.4906, 0.2112,
0.2804


 54.4906, 0.2112,
0.2804


403.9781, 0.2582,
0.3053


 38.9940, 0.2007,
0.2742


 96.7942, 0.2274,
0.2895


 26.7551, 0.1878,
0.2663


 124.3700, 0.2337,
0.2929

 17.3894, 0.1719,
0.2559


 156.7411, 0.2392,
0.2958

 10.5125, 0.1518,
0.2418

 194.2917, 0.2439,
0.2982

 5.7401, 0.1259,
0.2219

 237.4063, 0.2481,
0.3004

 2.6877, 0.0925,
0.1925

286.4693, 0.2519,

 0.9709, 0.0275,

0.3022

0.1510

341.8651, 0.2552,
0.3039

■ 0.0000, 0.0000,
0.0000

■ 54.4906, 0.2112,
0.2804

■ 54.4906, 0.2112,
0.2804

■ 54.4968, 0.2112,
0.2804

■ 56.5859, 0.2140,
0.2856

■ 58.9824, 0.2184,
0.2909

■ 61.7682, 0.2247,
0.2962

■ 64.9931, 0.2329,
0.3015

■ 68.6986, 0.2430,
0.3067

■ 72.9214, 0.2548,
0.3118

■ 77.6942, 0.2680,
0.3165

■ 83.0467, 0.2822,
0.3210

■ 89.0067, 0.2972,
0.3252

Harmonies

Analogous

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



54.4906, 0.2287, 0.3320



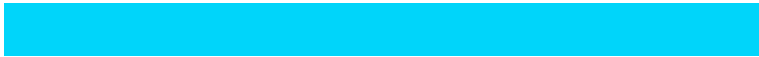
54.4906, 0.2112, 0.2804



54.4906, 0.2174, 0.2488

Triad

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



54.4906, 0.2112, 0.2804



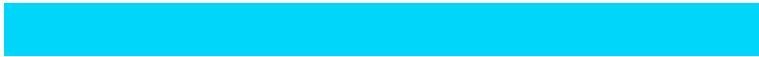
54.4906, 0.3528, 0.2778



54.4906, 0.3763, 0.4296

Complementary

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



54.4906, 0.2112, 0.2804



21.6471, 0.6283, 0.3393

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.



54.4906, 0.4152, 0.4026



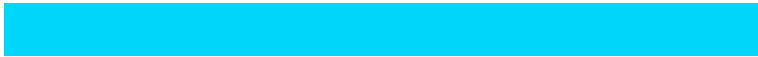
54.4906, 0.2112, 0.2804



54.4906, 0.4029, 0.3170

Square

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



54.4906, 0.2112, 0.2804



54.4906, 0.2947, 0.2502



54.4906, 0.4261, 0.3612



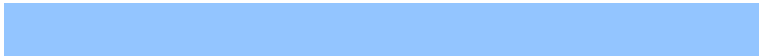
54.4906, 0.3223, 0.4272

Rectangle

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



54.4906, 0.2112, 0.2804



54.4906, 0.2343, 0.2401



54.4906, 0.4261, 0.3612



54.4906, 0.3916, 0.4231

Sweetspot

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



54.4968, 0.2112, 0.2804



81.2538, 0.2679, 0.3165



68.4846, 0.2976, 0.5913



16.9254, 0.2622, 0.3145



0.0000, 0.0000, 0.0000



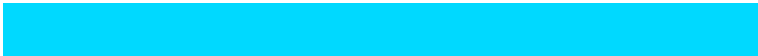
21.4041, 0.3127, 0.3290

Same Dimension

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



54.4968, 0.2112, 0.2804



56.9849, 0.2112, 0.2804



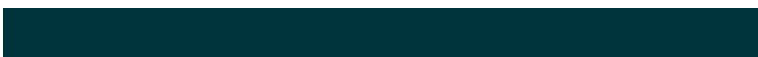
14.4991, 0.1649, 0.1136



19.1451, 0.2980, 0.3254



29.0739, 0.2115, 0.2813



2.8080, 0.2132, 0.2875

Inverse Universe

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



25.1292, 0.3631, 0.1774



26.2838, 0.3631, 0.1774



44.8927, 0.5043, 0.4378



17.4778, 0.3161, 0.3090



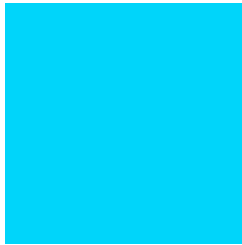
13.3459, 0.3623, 0.1769



1.2477, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 54.4906, 0.2112, 0.2804 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 54.4906, 0.2112, 0.2804 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 54.4906, 0.2112, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 54.4906, 0.2112, 0.2804.

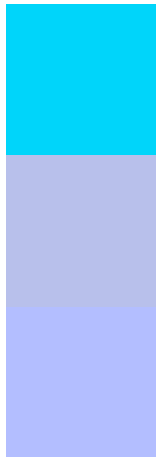


This preview shows how white text looks on a background with the Yxy color 54.4906, 0.2112, 0.2804.

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

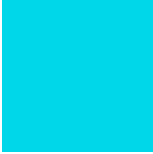
54.4906, 0.2112, 0.2804

Protanopia

53.8878, 0.2768, 0.2782

Deuteranopia

53.6306, 0.2612, 0.2545



Tritanopia

54.4271, 0.2182, 0.3056

Trichromacy



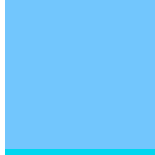
Original Color

54.4906, 0.2112, 0.2804



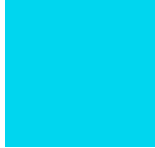
Protanomaly

51.3817, 0.2361, 0.2775



Deuteranomaly

51.0574, 0.2285, 0.2600



Tritanomaly

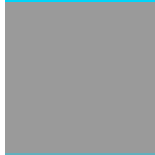
54.3251, 0.2153, 0.2952

Monochromacy



Original Color

54.4906, 0.2112, 0.2804



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.9307, 0.2459, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4906, 0.2112, 0.2804 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, 213, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 250)  
}
```

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, 213, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 250) }
```

Border

The CSS property to change the border of an element to Yxy 54.4906, 0.2112, 0.2804 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, 213, 250) }
```

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

```
.border{ border-color:rgb(0, 213, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4906, 0.2112, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 250) }
```

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

```
.background{ background-color: rgb(0, 213,  
250) }
```

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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