

Converting Colors

$Y_{xy}(54.7153, 0.2112, 0.2852)$

Have a look what the booklet for
Yxy(54.7153, 0.2112, 0.2852)
contains.

Yxy(54.8085, 0.2126, 0.2854)	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(54.8085, 0.2126, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	00D6F7
RGB	0, 214, 247
RGB Percent	0%, 84%, 97%
CMY	1.0000, 0.1607, 0.0315
CMYK	1.00, 0.13, 0.00, 0.03
HSL	188°, 100%, 48%
HSV	188°, 100%, 97%
XYZ	40.8279, 54.8085, 96.4046
YIQ	153.7760, -138.1370, -35.1050

Conversions

Conversions Part 2

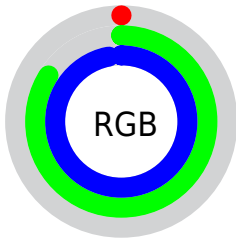
Format	Color
RYB	0, 115, 247
Decimal	55031
CIELab	78.93, -31.92, -28.37
CIELCh	79, 42.710, 221.632
Yxy	54.8085, 0.2126, 0.2854
Android (android.graphics.Color)	4278245111 (0xFF00D6F7)
YUV	153.7760, 45.9594, -134.8616
Hunter-Lab	74.0328, -31.1174, -25.3838

Details

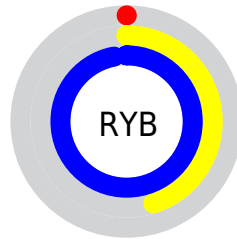
The Yxy color **54.8085, 0.2126, 0.2854** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.8562, 0.6301, 0.3379**, and the grayscale version is **32.0539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **28.5579, 0.2096, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **54.8130, 0.2126, 0.2854**, and if you desaturate by 10%, it is **56.7017, 0.2152, 0.2901**.

Distribution



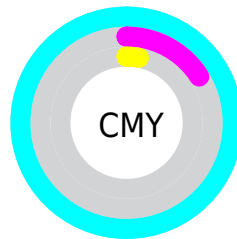
- Red (0%)
- Green (84%)
- Blue (97%)



- Red (0%)
- Yellow (45%)
- Blue (97%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8085, 0.2126, 0.2854 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 54.8085, 0.2126, 0.2854 by changing the saturation by 10% instead.


 54.8085, 0.2126,
0.2854


 54.8085, 0.2126,
0.2854


405.1856, 0.2589,
0.3080

 39.2484, 0.2022,
0.2797


 97.2603, 0.2286,
0.2937


 26.9530, 0.1895,
0.2724


 124.9209, 0.2348,
0.2968

 17.5380, 0.1737,
0.2628


 157.3837, 0.2402,
0.2994

 10.6188, 0.1537,
0.2497

 195.0331, 0.2449,
0.3016

 5.8111, 0.1279,
0.2309

 238.2537, 0.2491,
0.3035

 2.7306, 0.0943,
0.2028

287.4297, 0.2527,

 0.9927, 0.0263,

0.3052

0.1628

342.9455, 0.2560,
0.3067

■ 0.0000, 0.0000,
0.0000

■ 54.8085, 0.2126,
0.2854

■ 54.8085, 0.2126,
0.2854

■ 54.8130, 0.2126,
0.2854

■ 56.7017, 0.2152,
0.2901

■ 58.8814, 0.2194,
0.2948

■ 61.4321, 0.2255,
0.2996

■ 64.4017, 0.2336,
0.3043

■ 67.8308, 0.2435,
0.3090

■ 71.7546, 0.2551,
0.3135

■ 76.2048, 0.2681,
0.3178

■ 81.2105, 0.2823,
0.3218

■ 86.7982, 0.2973,
0.3256

Harmonies

Analogous

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



54.8085, 0.2325, 0.3381



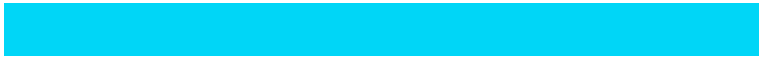
54.8085, 0.2126, 0.2854



54.8085, 0.2163, 0.2516

Triad

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



54.8085, 0.2126, 0.2854



54.8085, 0.3465, 0.2746



54.8085, 0.3809, 0.4272

Complementary

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



54.8085, 0.2126, 0.2854



20.8562, 0.6301, 0.3379

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.



54.8085, 0.4171, 0.3982



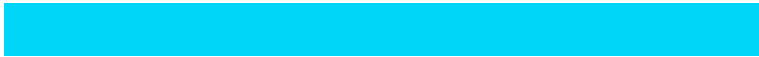
54.8085, 0.2126, 0.2854



54.8085, 0.3979, 0.3126

Square

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



54.8085, 0.2126, 0.2854



54.8085, 0.2891, 0.2487



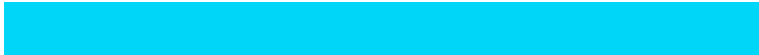
54.8085, 0.4244, 0.3564



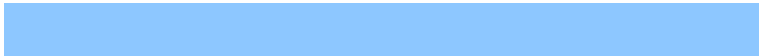
54.8085, 0.3282, 0.4284

Rectangle

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



54.8085, 0.2126, 0.2854



54.8085, 0.2316, 0.2415



54.8085, 0.4244, 0.3564



54.8085, 0.3955, 0.4199

Sweetspot

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



54.8130, 0.2126, 0.2854



81.9212, 0.2681, 0.3178



66.6179, 0.2976, 0.5913



17.0870, 0.2624, 0.3160



0.0000, 0.0000, 0.0000



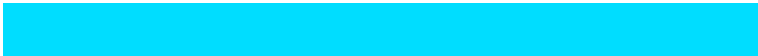
21.4041, 0.3127, 0.3290

Same Dimension

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



54.8130, 0.2126, 0.2854



58.9129, 0.2126, 0.2853



14.1210, 0.1649, 0.1137



18.3583, 0.2981, 0.3258



29.1471, 0.2128, 0.2862



2.6642, 0.2145, 0.2921

Inverse Universe

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



24.6259, 0.3585, 0.1749



26.4784, 0.3586, 0.1749



43.6883, 0.5042, 0.4379



16.7280, 0.3158, 0.3087



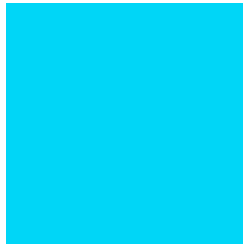
13.0418, 0.3578, 0.1745



1.1566, 0.3525, 0.1715

Previews

White Background



This preview shows how the Yxy color 54.8085, 0.2126, 0.2854 looks on a white background.

Color Contrast Check

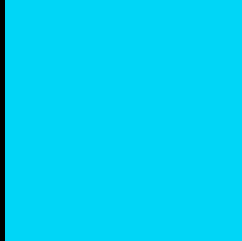
Large Text (above 18pt) WCAG AA × Fail

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 54.8085, 0.2126, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

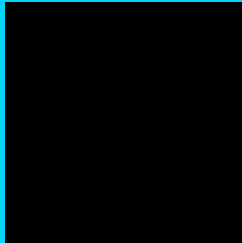
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8085, 0.2126, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 54.8085, 0.2126, 0.2854.



This preview shows how white text looks on a background with the Yxy color 54.8085, 0.2126, 0.2854.

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

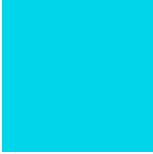
54.8085, 0.2126, 0.2854

Protanopia

53.9646, 0.2801, 0.2817

Deuteranopia

54.1136, 0.2644, 0.2589



Tritanopia

54.9949, 0.2183, 0.3057

Trichromacy



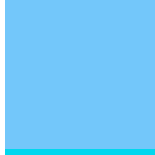
Original Color

54.8085, 0.2126, 0.2854



Protanomaly

51.2745, 0.2380, 0.2811



Deuteranomaly

51.3938, 0.2305, 0.2647



Tritanomaly

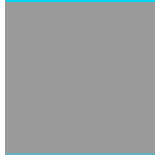
54.7739, 0.2161, 0.2979

Monochromacy



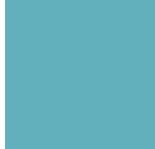
Original Color

54.8085, 0.2126, 0.2854



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.2782, 0.2467, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8085, 0.2126, 0.2854 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, 214, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 247)  
}
```

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, 214, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 247) }
```

Border

The CSS property to change the border of an element to Yxy 54.8085, 0.2126, 0.2854 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, 214, 247) }
```

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

```
.border{ border-color:rgb(0, 214, 247) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8085, 0.2126, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 247) }
```

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

```
.background{ background-color: rgb(0, 214,  
247) }
```

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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