

Converting Colors

$Y_{xy}(55.4938, 0.2142, 0.2911)$

Have a look what the booklet for
Yxy(55.4938, 0.2142, 0.2911)
contains.

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Color

Yxy(55.6434, 0.2144, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	00D8F4
RGB	0, 216, 244
RGB Percent	0%, 85%, 96%
CMY	0.9995, 0.1529, 0.0432
CMYK	1.00, 0.11, 0.00, 0.04
HSL	187°, 100%, 48%
HSV	187°, 100%, 96%
XYZ	40.8840, 55.6434, 94.1628
YIQ	154.6080, -137.7240, -37.0840

Conversions

Conversions Part 2

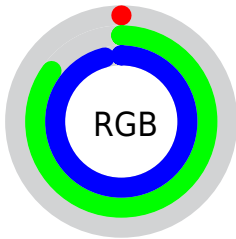
Format	Color
RYB	0, 115, 244
Decimal	55540
CIELab	79.41, -33.82, -26.05
CIELCh	79, 42.685, 217.604
Yxy	55.6434, 0.2144, 0.2918
Android (android.graphics.Color)	4278245620 (0xFF00D8F4)
YUV	154.6080, 44.0703, -135.5912
Hunter-Lab	74.5945, -32.7076, -22.6273

Details

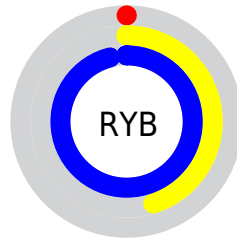
The Yxy color **55.6434, 0.2144, 0.2918** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.0673, 0.6321, 0.3363**, and the grayscale version is **32.4624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **29.1206, 0.2119, 0.2828** is the 20% darker color. If you saturate the color by 10%, you get **55.6368, 0.2144, 0.2918**, and if you desaturate by 10%, it is **57.2923, 0.2168, 0.2958**.

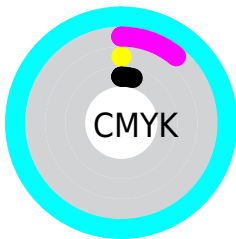
Distribution



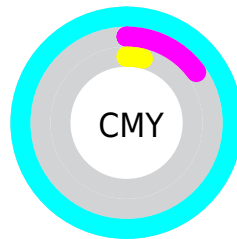
- Red (0%)
- Green (85%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6434, 0.2144, 0.2918 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 55.6434, 0.2144, 0.2918 by changing the saturation by 10% instead.


 55.6434, 0.2144,
0.2918


 55.6434, 0.2144,
0.2918


 408.3462, 0.2599,
0.3113

 39.9171, 0.2042,
0.2868


 98.4830, 0.2301,
0.2990

 27.4739, 0.1917,
0.2804


 126.3651, 0.2362,
0.3017

 17.9295, 0.1761,
0.2718


 159.0679, 0.2415,
0.3039

 10.8994, 0.1563,
0.2600


 196.9757, 0.2461,
0.3059

 5.9992, 0.1307,
0.2430

 240.4731, 0.2502,
0.3075

 2.8446, 0.0973,
0.2169

289.9444, 0.2538,

 1.0511, 0.0281,

0.3089

0.1795

345.7740, 0.2570,
0.3102

■ 0.0000, 0.0000,
0.0000

■ 55.6434, 0.2144,
0.2918

■ 55.6434, 0.2144,
0.2918

■ 55.6368, 0.2144,
0.2918

■ 57.2923, 0.2168,
0.2958

■ 59.2144, 0.2208,
0.2998

■ 61.4887, 0.2266,
0.3038

■ 64.1620, 0.2344,
0.3079

■ 67.2733, 0.2441,
0.3118

■ 70.8567, 0.2556,
0.3157

■ 74.9430, 0.2684,
0.3194

■ 79.5602, 0.2825,
0.3228

■ 84.7341, 0.2974,
0.3261

Harmonies

Analogous

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



55.6434, 0.2374, 0.3459



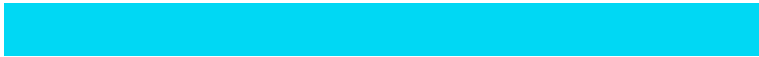
55.6434, 0.2144, 0.2918



55.6434, 0.2150, 0.2553

Triad

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



55.6434, 0.2144, 0.2918



55.6434, 0.3385, 0.2706



55.6434, 0.3867, 0.4241

Complementary

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



55.6434, 0.2144, 0.2918



20.0673, 0.6321, 0.3363

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.



55.6434, 0.4194, 0.3928



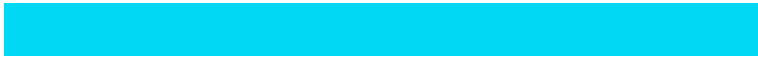
55.6434, 0.2144, 0.2918



55.6434, 0.3917, 0.3072

Square

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



55.6434, 0.2144, 0.2918



55.6434, 0.2821, 0.2469



55.6434, 0.4221, 0.3504



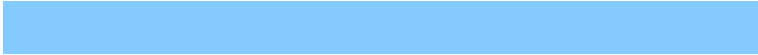
55.6434, 0.3357, 0.4297

Rectangle

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



55.6434, 0.2144, 0.2918



55.6434, 0.2281, 0.2432



55.6434, 0.4221, 0.3504



55.6434, 0.4003, 0.4157

Sweetspot

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



55.6454, 0.2144, 0.2918



82.7903, 0.2683, 0.3193



64.7632, 0.2984, 0.5944



17.2976, 0.2627, 0.3178



0.0000, 0.0000, 0.0000



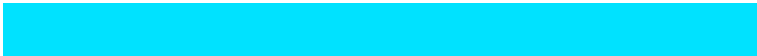
21.4041, 0.3127, 0.3290

Same Dimension

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



55.6454, 0.2144, 0.2918



61.4696, 0.2144, 0.2917



15.2063, 0.1676, 0.1233



18.4140, 0.2981, 0.3262



30.3853, 0.2146, 0.2924



2.7609, 0.2160, 0.2974

Inverse Universe

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



24.1919, 0.3527, 0.1717



26.7365, 0.3528, 0.1717



39.9267, 0.5136, 0.4303



16.7336, 0.3156, 0.3083



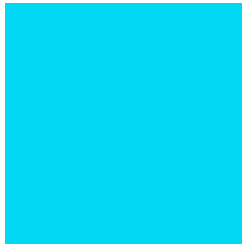
13.1668, 0.3522, 0.1714



1.1664, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 55.6434, 0.2144, 0.2918 looks on a white background.

Color Contrast Check

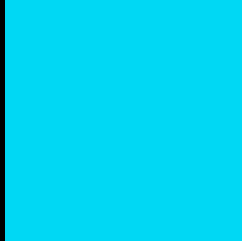
Large Text (above 18pt) WCAG AA × Fail

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 55.6434, 0.2144, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

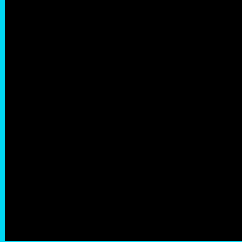
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6434, 0.2144, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 55.6434, 0.2144, 0.2918.

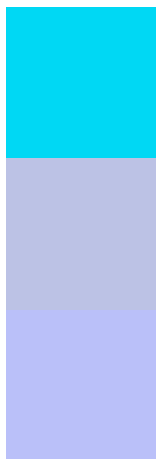


This preview shows how white text looks on a background with the Yxy color 55.6434, 0.2144, 0.2918.

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

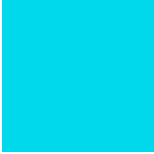
55.6434, 0.2144, 0.2918

Protanopia

54.9321, 0.2837, 0.2876

Deuteranopia

54.9779, 0.2696, 0.2637



Tritanopia

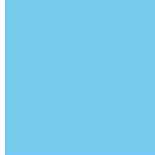
55.6239, 0.2179, 0.3045

Trichromacy



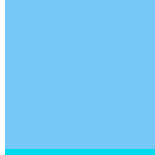
Original Color

55.6434, 0.2144, 0.2918



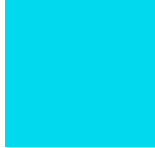
Protanomaly

52.1746, 0.2409, 0.2875



Deuteranomaly

52.3402, 0.2337, 0.2709



Tritanomaly

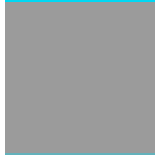
55.7988, 0.2169, 0.3007

Monochromacy



Original Color

55.6434, 0.2144, 0.2918



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.6848, 0.2482, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6434, 0.2144, 0.2918 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, 216, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 244)  
}
```

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, 216, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 244) }
```

Border

The CSS property to change the border of an element to Yxy 55.6434, 0.2144, 0.2918 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, 216, 244) }
```

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

```
.border{ border-color:rgb(0, 216, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6434, 0.2144, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 244) }
```

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

```
.background{ background-color: rgb(0, 216,  
244) }
```

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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