

Converting Colors

$Y_{xy}(55.3560, 0.2119, 0.2829)$

Have a look what the booklet for
Yxy(55.3560, 0.2119, 0.2829)
contains.

Yxy(55.5030, 0.2120, 0.2831)	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(55.5030, 0.2120, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	01D7FA
RGB	1, 215, 250
RGB Percent	0%, 84%, 98%
CMY	0.9979, 0.1569, 0.0195
CMYK	1.00, 0.14, 0.00, 0.02
HSL	188°, 100%, 49%
HSV	188°, 100%, 98%
XYZ	41.5635, 55.5030, 98.9879
YIQ	155.0040, -138.7790, -34.4830

Conversions

Conversions Part 2

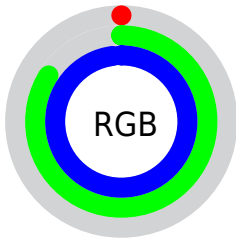
Format	Color
RYB	1, 116, 250
Decimal	120826
CIELab	79.33, -31.39, -29.39
CIELCh	79, 42.999, 223.110
Yxy	55.5030, 0.2120, 0.2831
Android (android.graphics.Color)	4278310906 (0xFF01D7FA)
YUV	155.0040, 46.8330, -135.0615
Hunter-Lab	74.5003, -30.7909, -26.6278

Details

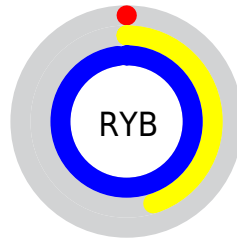
The Yxy color **55.5030, 0.2120, 0.2831** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.5664, 0.6289, 0.3386**, and the grayscale version is **32.5501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **28.9919, 0.2093, 0.2733** is the 20% darker color. If you saturate the color by 10%, you get **55.4633, 0.2120, 0.2830**, and if you desaturate by 10%, it is **57.5224, 0.2147, 0.2880**.

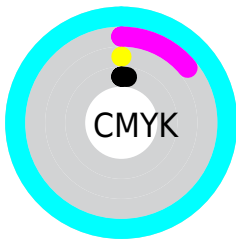
Distribution



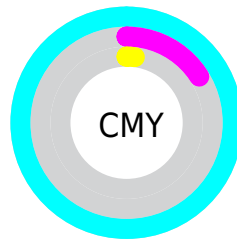
- Red (0%)
- Green (84%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5030, 0.2120, 0.2831 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 55.5030, 0.2120, 0.2831 by changing the saturation by 10% instead.

 55.5030, 0.2120,
0.2831


 55.5030, 0.2120,
0.2831


407.8158, 0.2585,
0.3067

 39.8046, 0.2016,
0.2772


 98.2775, 0.2280,
0.2917

 27.3862, 0.1889,
0.2697


 126.1225, 0.2343,
0.2949


 17.8635, 0.1732,
0.2598


 158.7850, 0.2397,
0.2977

 10.8520, 0.1533,
0.2464

 196.6495, 0.2444,
0.3000

 5.9674, 0.1278,
0.2273

 240.1005, 0.2486,
0.3020

 2.8253, 0.0947,
0.1991

289.5223, 0.2522,

 1.0412, 0.0328,

0.3038

0.1586

345.2992, 0.2555,
0.3053

■ 0.0000, 0.0000,
0.0000

■ 55.5030, 0.2120,
0.2831

■ 55.5030, 0.2120,
0.2831

■ 55.4633, 0.2120,
0.2830

■ 57.5224, 0.2147,
0.2880

■ 59.8467, 0.2190,
0.2930

■ 62.5575, 0.2252,
0.2981

■ 65.7041, 0.2334,
0.3031

■ 69.3281, 0.2435,
0.3080

■ 73.4659, 0.2552,
0.3127

■ 78.1501, 0.2683,
0.3173

■ 83.4106, 0.2826,
0.3215

■ 89.2747, 0.2976,
0.3255

Harmonies

Analogous

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



55.5030, 0.2308, 0.3352



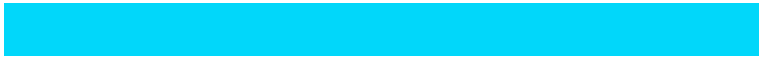
55.5030, 0.2120, 0.2831



55.5030, 0.2169, 0.2503

Triad

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



55.5030, 0.2120, 0.2831



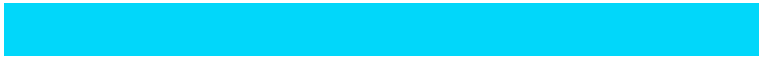
55.5030, 0.3494, 0.2761



55.5030, 0.3788, 0.4283

Complementary

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



55.5030, 0.2120, 0.2831



21.5664, 0.6289, 0.3386

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.



55.5030, 0.4162, 0.4002



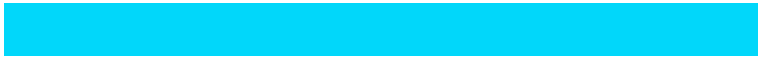
55.5030, 0.2120, 0.2831



55.5030, 0.4002, 0.3147

Square

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



55.5030, 0.2120, 0.2831



55.5030, 0.2917, 0.2495



55.5030, 0.4251, 0.3586



55.5030, 0.3255, 0.4278

Rectangle

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



55.5030, 0.2120, 0.2831



55.5030, 0.2329, 0.2409



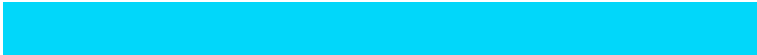
55.5030, 0.4251, 0.3586



55.5030, 0.3937, 0.4213

Sweetspot

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



55.5050, 0.2120, 0.2831



81.6006, 0.2680, 0.3172



68.5071, 0.2976, 0.5911



17.0093, 0.2623, 0.3153



0.0000, 0.0000, 0.0000



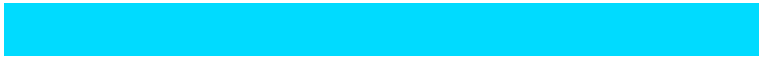
21.4041, 0.3127, 0.3290

Same Dimension

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



55.5050, 0.2120, 0.2831



57.9829, 0.2119, 0.2829



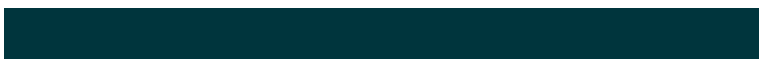
14.5644, 0.1650, 0.1139



19.1685, 0.2980, 0.3256



29.5728, 0.2122, 0.2838



2.8495, 0.2138, 0.2897

Inverse Universe

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



25.2469, 0.3606, 0.1761



26.3846, 0.3608, 0.1761



44.9716, 0.5040, 0.4379



17.4802, 0.3160, 0.3089



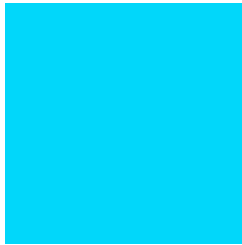
13.3963, 0.3600, 0.1757



1.2519, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 55.5030, 0.2120, 0.2831 looks on a white background.

Color Contrast Check

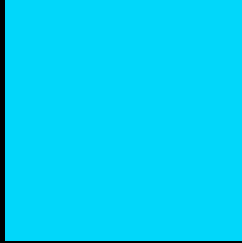
Large Text (above 18pt) WCAG AA × Fail

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 55.5030, 0.2120, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

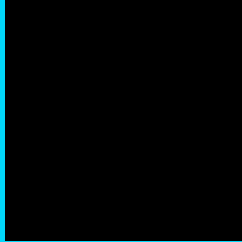
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5030, 0.2120, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 55.5030, 0.2120, 0.2831.

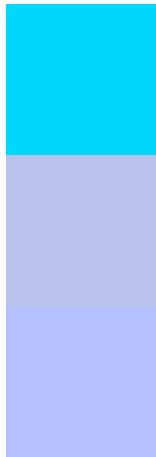


This preview shows how white text looks on a background with the Yxy color 55.5030, 0.2120, 0.2831.

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

55.5095, 0.2120, 0.2831

Protanopia

54.5772, 0.2783, 0.2797

Deuteranopia

54.7430, 0.2628, 0.2571



Tritanopia

55.5662, 0.2183, 0.3058

Trichromacy



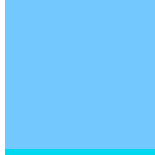
Original Color

55.5095, 0.2120, 0.2831



Protanomaly

51.9865, 0.2373, 0.2790



Deuteranomaly

52.0452, 0.2295, 0.2628



Tritanomaly

55.4030, 0.2158, 0.2968

Monochromacy



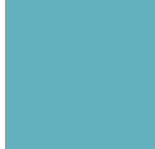
Original Color

55.5095, 0.2120, 0.2831



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.8146, 0.2464, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5030, 0.2120, 0.2831 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(1, 215, 250)` looks like.

```
.text, #text, p{  
    color:rgb(1, 215, 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(1, 215, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 215, 250) }
```

Border

The CSS property to change the border of an element to Yxy 55.5030, 0.2120, 0.2831 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(1, 215, 250) }
```

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

```
.border{ border-color:rgb(1, 215, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 215, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 215, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 215, 250);  
box-shadow:4px 4px 4px 4px rgb(1, 215,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5030, 0.2120, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 215, 250) }
```

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

```
.background{ background-color: rgb(1, 215,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor