

Converting Colors

$Y_{xy}(58.2496, 0.1908, 0.2673)$

Have a look what the booklet for
Yxy(58.2496, 0.1908, 0.2673)
contains.

Yxy(59.9954, 0.2134, 0.2881)	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(59.9954, 0.2134, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	01DFFF
RGB	1, 223, 255
RGB Percent	0%, 87%, 100%
CMY	0.9966, 0.1255, 0.0002
CMYK	1.00, 0.13, 0.00, 0.00
HSL	188°, 100%, 50%
HSV	188°, 100%, 100%
XYZ	44.4395, 59.9954, 103.8102
YIQ	160.2700, -142.5840, -37.1120

Conversions

Conversions Part 2

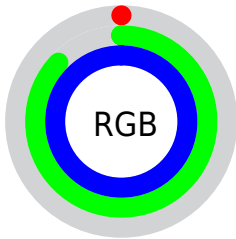
Format	Color
R_{YB}	1, 119, 255
Decimal	122879
CIE _{Lab}	81.84, -33.63, -28.16
CIE _{LCh}	82, 43.866, 219.941
Yxy	59.9954, 0.2134, 0.2881
Android (android.graphics.Color)	4278312959 (0xFF01DFFF)
YUV	160.2700, 46.7019, -139.6798
Hunter-Lab	77.4567, -33.1378, -25.2428

Details

The Yxy color **59.9954, 0.2134, 0.2881** 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 **22.3316, 0.6306, 0.3372**, and the grayscale version is **35.0909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **59.9346, 0.2133, 0.2880**, and if you desaturate by 10%, it is **61.9462, 0.2159, 0.2925**.

Distribution



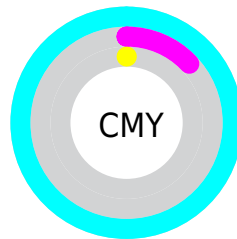
- Red (0%)
- Green (87%)
- Blue (100%)



- Red (0%)
- Yellow (47%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9954, 0.2134, 0.2881 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 59.9954, 0.2134, 0.2881 by changing the saturation by 10% instead.


 59.9954, 0.2134,
0.2881


 59.9954, 0.2134,
0.2881

424.5808, 0.2587,
0.3091


 43.4149, 0.2034,
0.2829


 104.8230, 0.2289,
0.2958


 30.2108, 0.1912,
0.2762


 133.8389, 0.2350,
0.2986


 19.9987, 0.1762,
0.2675


 167.7688, 0.2402,
0.3011

 12.3941, 0.1573,
0.2556

 206.9969, 0.2449,
0.3031

 7.0126, 0.1331,
0.2389

 251.9078, 0.2489,
0.3049

 3.4700, 0.1018,
0.2141

302.8858, 0.2525,

 1.3818, 0.0543,

0.3065

0.1768

360.3154, 0.2558,
0.3079

■ 0.2032, 0.0000,
0.0681

■ 0.0000, 0.0000,
0.0000

■ 59.9954, 0.2134,
0.2881

■ 59.9954, 0.2134,
0.2881

■ 59.9346, 0.2133,
0.2880

■ 61.9462, 0.2159,
0.2925


■ 64.2104, 0.2200,
0.2969


■ 66.8718, 0.2261,
0.3014


■ 69.9821, 0.2341,
0.3059

 73.5847, 0.2440,
0.3102

 77.7177, 0.2556,
0.3145

 82.4152, 0.2686,
0.3185

 87.7083, 0.2828,
0.3223

 93.6259, 0.2977,
0.3259

Harmonies

Analogous

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



59.9954, 0.2346, 0.3414



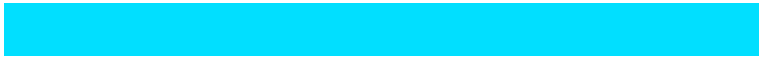
59.9954, 0.2134, 0.2881



59.9954, 0.2158, 0.2532

Triad

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



59.9954, 0.2134, 0.2881



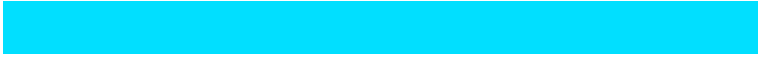
59.9954, 0.3431, 0.2729



59.9954, 0.3833, 0.4258

Complementary

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



59.9954, 0.2134, 0.2881



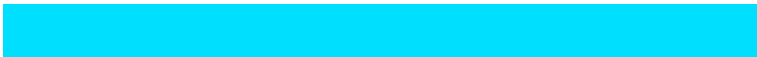
22.3316, 0.6306, 0.3372

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.



59.9954, 0.4180, 0.3959



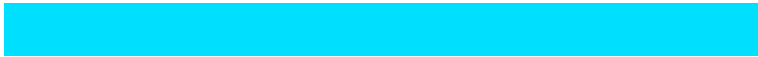
59.9954, 0.2134, 0.2881



59.9954, 0.3952, 0.3103

Square

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



59.9954, 0.2134, 0.2881



59.9954, 0.2861, 0.2480



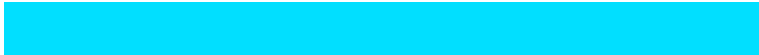
59.9954, 0.4234, 0.3539



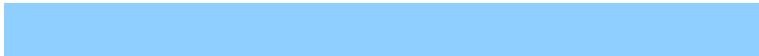
59.9954, 0.3314, 0.4290

Rectangle

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



59.9954, 0.2134, 0.2881



59.9954, 0.2301, 0.2422



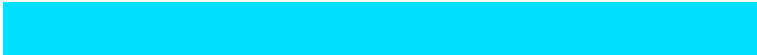
59.9954, 0.4234, 0.3539



59.9954, 0.3975, 0.4181

Sweetspot

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



59.9975, 0.2134, 0.2881



82.2780, 0.2682, 0.3184



71.5958, 0.2981, 0.5928



17.1734, 0.2625, 0.3167



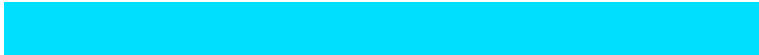
0.0000, 0.0000, 0.0000



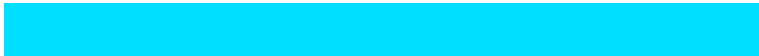
21.4041, 0.3127, 0.3290

Same Dimension

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



59.9975, 0.2134, 0.2881



59.9563, 0.2133, 0.2880



16.0073, 0.1664, 0.1186



20.0685, 0.2980, 0.3259



31.4816, 0.2135, 0.2887



3.1697, 0.2149, 0.2937

Inverse Universe

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



26.5985, 0.3560, 0.1736



26.5838, 0.3562, 0.1736



45.5555, 0.5087, 0.4341



18.2587, 0.3157, 0.3085



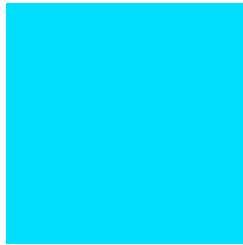
13.9061, 0.3555, 0.1732



1.3645, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 59.9954, 0.2134, 0.2881 looks on a white background.

Color Contrast Check

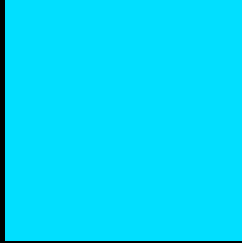
Large Text (above 18pt) WCAG AA × Fail

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 59.9954, 0.2134, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

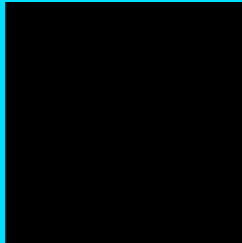
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9954, 0.2134, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 59.9954, 0.2134, 0.2881.

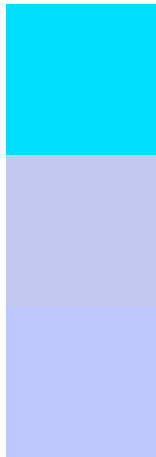


This preview shows how white text looks on a background with the Yxy color 59.9954, 0.2134, 0.2881.

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

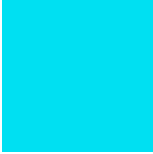
60.0018, 0.2134, 0.2881

Protanopia

59.0099, 0.2819, 0.2844

Deuteranopia

59.1432, 0.2701, 0.2665



Tritanopia

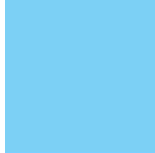
59.7221, 0.2181, 0.3052

Trichromacy



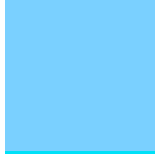
Original Color

60.0018, 0.2134, 0.2881



Protanomaly

55.9894, 0.2391, 0.2827



Deuteranomaly

56.4693, 0.2338, 0.2714



Tritanomaly

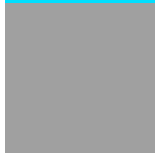
60.0267, 0.2164, 0.2990

Monochromacy



Original Color

60.0018, 0.2134, 0.2881



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.6319, 0.2469, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9954, 0.2134, 0.2881 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 223, 255)  
}
```

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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.9954, 0.2134, 0.2881 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, 223, 255) }
```

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

```
.border{ border-color:rgb(1, 223, 255) }
```

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

Here you see how a box with a 4 pixel rgb(1, 223, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9954, 0.2134, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 223, 255) }
```

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

```
.background{ background-color: rgb(1, 223,  
255) }
```

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