

Converting Colors

$Y_{xy}(58.8639, 0.1832, 0.2526)$

Have a look what the booklet for
Yxy(58.8639, 0.1832, 0.2526)
contains.

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Color

Yxy(60.5313, 0.2137, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	00E0FF
RGB	0, 224, 255
RGB Percent	0%, 88%, 100%
CMY	1.0000, 0.1215, 0.0000
CMYK	1.00, 0.12, 0.00, 0.00
HSL	187°, 100%, 50%
HSV	187°, 100%, 100%
XYZ	44.6978, 60.5313, 103.9323
YIQ	160.5580, -143.4550, -37.8470

Conversions

Conversions Part 2

Format	Color
RYB	0, 119, 255
Decimal	57599
CIELab	82.13, -34.13, -27.74
CIELCh	82, 43.984, 219.099
Yxy	60.5313, 0.2137, 0.2894
Android (android.graphics.Color)	4278247679 (0xFF00E0FF)
YUV	160.5580, 46.5599, -140.8094
Hunter-Lab	77.8019, -33.6036, -24.7417

Details

The Yxy color **60.5313, 0.2137, 0.2894** 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 **22.2387, 0.6317, 0.3366**, and the grayscale version is **35.2587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **60.5381, 0.2137, 0.2894**, and if you desaturate by 10%, it is **62.4320, 0.2162, 0.2936**.

Distribution



- Red (0%)
- Green (88%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.5313, 0.2137, 0.2894 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 60.5313, 0.2137, 0.2894 by changing the saturation by 10% instead.


 60.5313, 0.2137,
0.2894


 60.5313, 0.2137,
0.2894


426.5534, 0.2588,
0.3098


 43.8470, 0.2037,
0.2843


 105.6000, 0.2291,
0.2968

 30.5503, 0.1916,
0.2778


 134.7532, 0.2352,
0.2996


 20.2566, 0.1767,
0.2693


 168.8315, 0.2404,
0.3020

 12.5817, 0.1579,
0.2578

 208.2193, 0.2450,
0.3040

 7.1412, 0.1339,
0.2415

 253.3010, 0.2491,
0.3057

 3.5505, 0.1027,
0.2172

304.4610, 0.2527,

 1.4255, 0.0561,

0.3073

0.1805

362.0836, 0.2559,
0.3086

■ 0.2354, 0.0000,
0.0777

■ 0.0000, 0.0000,
0.0000

■ 60.5313, 0.2137,
0.2894

■ 60.5313, 0.2137,
0.2894

■ 60.5381, 0.2137,
0.2894

■ 62.4320, 0.2162,
0.2936

■ 64.6341, 0.2202,
0.2979

■ 67.2294, 0.2261,
0.3022

■ 70.2699, 0.2340,
0.3065

■ 73.7995, 0.2438,
0.3107

■ 77.8562, 0.2552,
0.3148

■ 82.4743, 0.2682,
0.3188

■ 87.6850, 0.2823,
0.3224

■ 93.5172, 0.2972,
0.3259

Harmonies

Analogous

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



60.5313, 0.2355, 0.3430



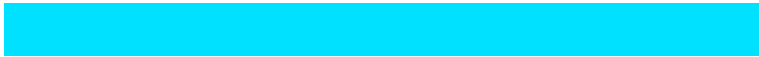
60.5313, 0.2137, 0.2894



60.5313, 0.2154, 0.2539

Triad

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



60.5313, 0.2137, 0.2894



60.5313, 0.3415, 0.2720



60.5313, 0.3846, 0.4253

Complementary

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



60.5313, 0.2137, 0.2894



22.2387, 0.6317, 0.3366

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.



60.5313, 0.4186, 0.3948



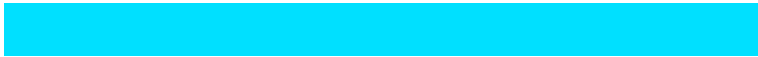
60.5313, 0.2137, 0.2894



60.5313, 0.3940, 0.3092

Square

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



60.5313, 0.2137, 0.2894



60.5313, 0.2847, 0.2475



60.5313, 0.4230, 0.3526



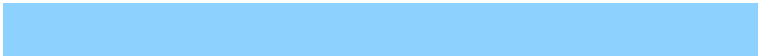
60.5313, 0.3329, 0.4293

Rectangle

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



60.5313, 0.2137, 0.2894



60.5313, 0.2294, 0.2425



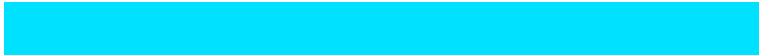
60.5313, 0.4230, 0.3526



60.5313, 0.3986, 0.4173

Sweetspot

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



60.5381, 0.2137, 0.2894



82.4762, 0.2682, 0.3188



71.6108, 0.2981, 0.5931



17.2214, 0.2626, 0.3171



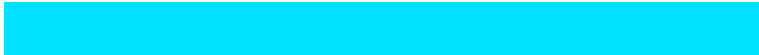
0.0000, 0.0000, 0.0000



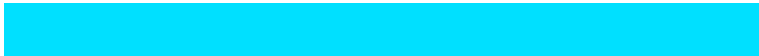
21.4041, 0.3127, 0.3290

Same Dimension

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



60.5381, 0.2137, 0.2894



60.5395, 0.2137, 0.2894



15.9083, 0.1661, 0.1180



20.0824, 0.2980, 0.3260



31.7821, 0.2139, 0.2901



3.1960, 0.2153, 0.2949

Inverse Universe

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



26.6420, 0.3549, 0.1729



26.6426, 0.3549, 0.1729



45.4576, 0.5092, 0.4339



18.2601, 0.3157, 0.3084



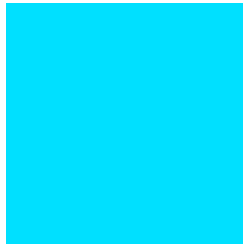
13.9364, 0.3542, 0.1725



1.3672, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 60.5313, 0.2137, 0.2894 looks on a white background.

Color Contrast Check

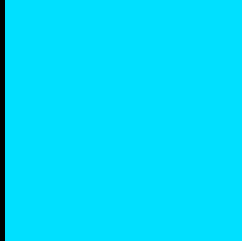
Large Text (above 18pt) WCAG AA × Fail

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 60.5313, 0.2137, 0.2894 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 60.5313, 0.2137, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 60.5313, 0.2137, 0.2894.

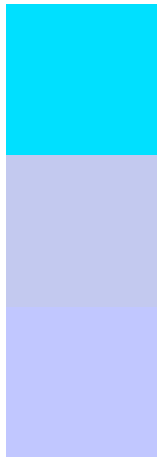


This preview shows how white text looks on a background with the Yxy color 60.5313, 0.2137, 0.2894.

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

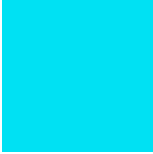
60.5313, 0.2137, 0.2894

Protanopia

59.6074, 0.2827, 0.2857

Deuteranopia

59.4043, 0.2714, 0.2667



Tritanopia

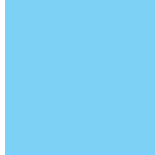
60.3215, 0.2181, 0.3053

Trichromacy



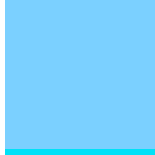
Original Color

60.5313, 0.2137, 0.2894



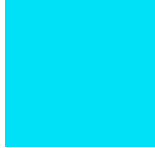
Protanomaly

56.4786, 0.2393, 0.2840



Deuteranomaly

56.5427, 0.2342, 0.2715



Tritanomaly

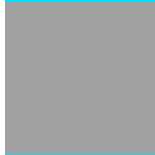
60.5658, 0.2168, 0.3003

Monochromacy



Original Color

60.5313, 0.2137, 0.2894



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.0459, 0.2472, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5313, 0.2137, 0.2894 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 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(0, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.5313, 0.2137, 0.2894 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, 224, 255) }
```

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

```
.border{ border-color:rgb(0, 224, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5313, 0.2137, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 255) }
```

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

```
.background{ background-color: rgb(0, 224,  
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](#).

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