

Converting Colors

$Y_{xy}(56.8271, 0.2115, 0.2798)$

Have a look what the booklet for
Yxy(56.8271, 0.2115, 0.2798)
contains.

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Color

Yxy(56.9169, 0.2116, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	0CD9FF
RGB	12, 217, 255
RGB Percent	5%, 85%, 100%
CMY	0.9530, 0.1491, 0.0000
CMYK	0.95, 0.15, 0.00, 0.00
HSL	189°, 100%, 52%
HSV	189°, 95%, 100%
XYZ	43.0129, 56.9169, 103.3448
YIQ	160.0370, -134.3780, -31.6420

Conversions

Conversions Part 2

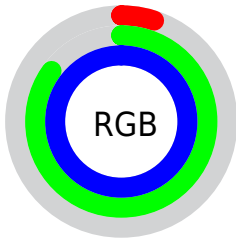
Format	Color
RYB	12, 123, 255
Decimal	842239
CIELab	80.13, -30.49, -30.80
CIELCh	80, 43.342, 225.293
Yxy	56.9169, 0.2116, 0.2800
Android (android.graphics.Color)	4279032319 (0xFF0CD9FF)
YUV	160.0370, 46.8168, -129.8284
Hunter-Lab	75.4433, -30.2565, -28.4072

Details

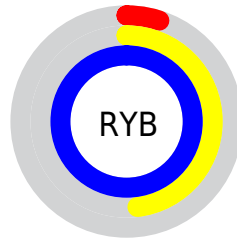
The Yxy color **56.9169, 0.2116, 0.2800** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.5678, 0.6181, 0.3432**, and the grayscale version is **34.9931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **29.9179, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **55.8782, 0.2104, 0.2774**, and if you desaturate by 10%, it is **59.3229, 0.2151, 0.2856**.

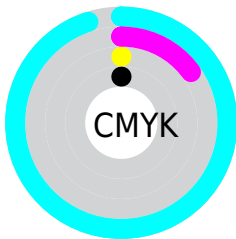
Distribution



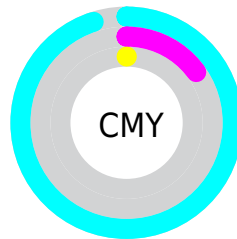
- Red (5%)
- Green (85%)
- Blue (100%)



- Red (5%)
- Yellow (48%)
- Blue (100%)



- Cyan (95%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9169, 0.2116, 0.2800 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 56.9169, 0.2116, 0.2800 by changing the saturation by 10% instead.


 56.9169, 0.2116,
0.2800

 56.9169, 0.2116,
0.2800


413.1379, 0.2580,
0.3049

 40.9385, 0.2013,
0.2738


 100.3439, 0.2275,
0.2890


 28.2711, 0.1887,
0.2660


 128.5614, 0.2338,
0.2924

 18.5301, 0.1732,
0.2559


 161.6273, 0.2392,
0.2953

 11.3312, 0.1537,
0.2422

 199.9261, 0.2439,
0.2978

 6.2901, 0.1287,
0.2230

 243.8421, 0.2481,
0.2999

 3.0223, 0.0964,
0.1950

293.7598, 0.2518,

 1.1434, 0.0435,

0.3018

0.1544

350.0636, 0.2550,
0.3035

■ 0.0147, 0.0000,
0.0053

■ 0.0000, 0.0000,
0.0000

■ 56.9169, 0.2116,
0.2800

■ 56.9169, 0.2116,
0.2800

■ 55.8782, 0.2104,
0.2774

■ 59.3229, 0.2151,
0.2856

■ 62.1080, 0.2205,
0.2913

■ 65.3318, 0.2278,
0.2969

■ 69.0420, 0.2371,
0.3025

73.2798, 0.2481,
0.3079

78.0815, 0.2607,
0.3132

83.4799, 0.2745,
0.3181

89.5053, 0.2892,
0.3227

96.1858, 0.3045,
0.3269

Harmonies

Analogous

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



56.9169, 0.2287, 0.3310



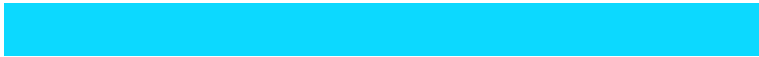
56.9169, 0.2116, 0.2800



56.9169, 0.2182, 0.2489

Triad

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



56.9169, 0.2116, 0.2800



56.9169, 0.3536, 0.2786



56.9169, 0.3752, 0.4293

Complementary

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



56.9169, 0.2116, 0.2800



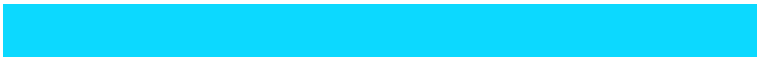
23.5678, 0.6181, 0.3432

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.



56.9169, 0.4142, 0.4029



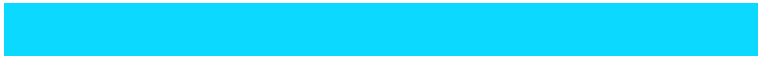
56.9169, 0.2116, 0.2800



56.9169, 0.4030, 0.3178

Square

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



56.9169, 0.2116, 0.2800



56.9169, 0.2957, 0.2509



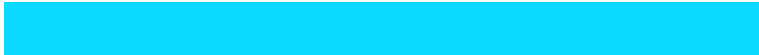
56.9169, 0.4256, 0.3618



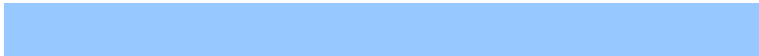
56.9169, 0.3214, 0.4263

Rectangle

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



56.9169, 0.2116, 0.2800



56.9169, 0.2353, 0.2405



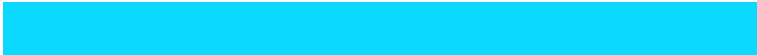
56.9169, 0.4256, 0.3618



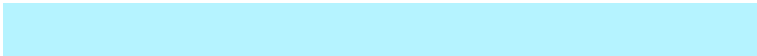
56.9169, 0.3906, 0.4231

Sweetspot

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



56.9175, 0.2116, 0.2800



81.4102, 0.2692, 0.3163



71.8151, 0.2962, 0.5836



16.9370, 0.2634, 0.3142



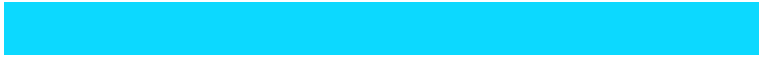
0.0000, 0.0000, 0.0000



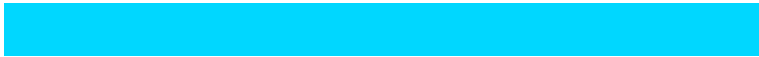
21.4041, 0.3127, 0.3290

Same Dimension

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



56.9175, 0.2116, 0.2800



55.8782, 0.2104, 0.2774



15.8553, 0.1667, 0.1176



19.9689, 0.2980, 0.3252



29.3794, 0.2107, 0.2784



2.9851, 0.2124, 0.2847

Inverse Universe

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



26.5318, 0.3633, 0.1789



26.1721, 0.3659, 0.1789



50.0157, 0.4937, 0.4436



18.2487, 0.3162, 0.3092



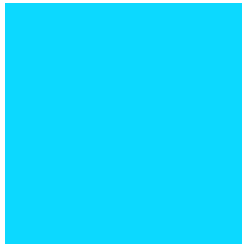
13.6938, 0.3650, 0.1784



1.3459, 0.3591, 0.1752

Previews

White Background



This preview shows how the Yxy color 56.9169, 0.2116, 0.2800 looks on a white background.

Color Contrast Check

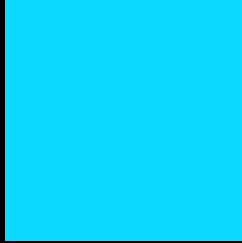
Large Text (above 18pt) WCAG AA × Fail

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 56.9169, 0.2116, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

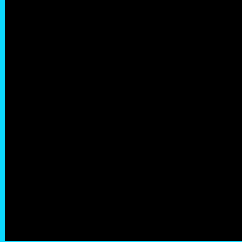
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9169, 0.2116, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 56.9169, 0.2116, 0.2800.



This preview shows how white text looks on a background with the Yxy color 56.9169, 0.2116, 0.2800.

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

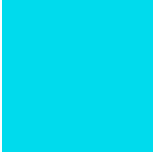
56.9239, 0.2116, 0.2800

Protanopia

55.8863, 0.2760, 0.2768

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.7775, 0.2180, 0.3047

Trichromacy



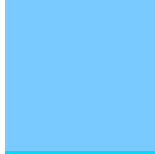
Original Color

56.9239, 0.2116, 0.2800



Protanomaly

53.5154, 0.2374, 0.2761



Deuteranomaly

53.5260, 0.2318, 0.2636



Tritanomaly

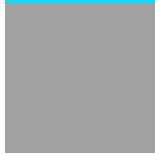
56.7003, 0.2153, 0.2945

Monochromacy



Original Color

56.9239, 0.2116, 0.2800



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.0520, 0.2485, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9169, 0.2116, 0.2800 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(12, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 217, 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(12, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.9169, 0.2116, 0.2800 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(12, 217, 255) }
```

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

```
.border{ border-color:rgb(12, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(12, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9169, 0.2116, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 217, 255) }
```

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

```
.background{ background-color: rgb(12, 217,  
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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