

Converting Colors

$Yxy(56.0539, 0.2150, 0.2912)$

Have a look what the booklet for
Yxy(56.0539, 0.2150, 0.2912)
contains.

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Color

Yxy(55.8235, 0.2149, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	12D8F5
RGB	18, 216, 245
RGB Percent	7%, 85%, 96%
CMY	0.9296, 0.1530, 0.0392
CMYK	0.93, 0.12, 0.00, 0.04
HSL	188°, 92%, 52%
HSV	188°, 93%, 96%
XYZ	41.2817, 55.8235, 94.9922
YIQ	160.1040, -127.3170, -32.9570

Conversions

Conversions Part 2

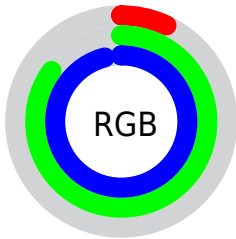
Format	Color
R _Y B	18, 124, 245
Decimal	1235189
CIE Lab	79.51, -33.04, -26.43
CIE LCh	80, 42.309, 218.654
Yxy	55.8235, 0.2149, 0.2906
Android (android.graphics.Color)	4279425269 (0xFF12D8F5)
YUV	160.1040, 41.8537, -124.6252
Hunter-Lab	74.7151, -32.1263, -23.0802

Details

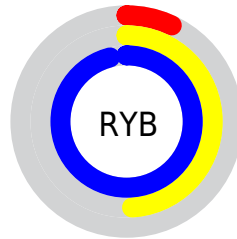
The Yxy color **55.8235, 0.2149, 0.2906** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **21.4887, 0.6161, 0.3414**, and the grayscale version is **35.0405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **29.1639, 0.2115, 0.2812** is the 20% darker color. If you saturate the color by 10%, you get **54.5300, 0.2132, 0.2873**, and if you desaturate by 10%, it is **57.8192, 0.2185, 0.2951**.

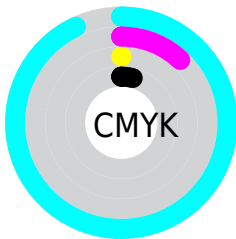
Distribution



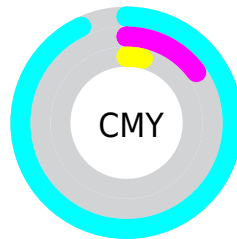
- Red (7%)
- Green (85%)
- Blue (96%)



- Red (7%)
- Yellow (49%)
- Blue (96%)



- Cyan (93%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)





- Cyan (93%)
- Magenta (15%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8235, 0.2149, 0.2906 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 55.8235, 0.2149, 0.2906 by changing the saturation by 10% instead.


 55.8235, 0.2149,
0.2906

 55.8235, 0.2149,
0.2906


 409.0260, 0.2602,
0.3106

 40.0614, 0.2047,
0.2855


 98.7465, 0.2305,
0.2980


 27.5864, 0.1923,
0.2789


 126.6762, 0.2366,
0.3007


 18.0141, 0.1768,
0.2703


 159.4305, 0.2419,
0.3030

 10.9601, 0.1572,
0.2583

 197.3939, 0.2465,
0.3050

 6.0400, 0.1318,
0.2411

 240.9508, 0.2505,
0.3067

 2.8694, 0.0985,
0.2149

 290.4855, 0.2541,

 1.0640, 0.0324,

0.3082

0.1770

346.3824, 0.2573,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 55.8235, 0.2149,
0.2906

■ 55.8235, 0.2149,
0.2906

■ 54.5300, 0.2132,
0.2873

■ 57.8192, 0.2185,
0.2951

■ 60.1597, 0.2240,
0.2996

■ 62.8970, 0.2315,
0.3042

■ 66.0724, 0.2409,
0.3087

■ 69.7216, 0.2520,
0.3130

■ 73.8765, 0.2646,
0.3172

■ 78.5662, 0.2785,
0.3211

■ 83.8174, 0.2932,
0.3248

■ 89.6548, 0.3086,
0.3282

Harmonies

Analogous

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



55.8235, 0.2369, 0.3437



55.8235, 0.2149, 0.2906



55.8235, 0.2163, 0.2551

Triad

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



55.8235, 0.2149, 0.2906



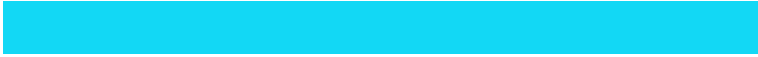
55.8235, 0.3403, 0.2722



55.8235, 0.3845, 0.4239

Complementary

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



55.8235, 0.2149, 0.2906



21.4887, 0.6161, 0.3414

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.



55.8235, 0.4177, 0.3936



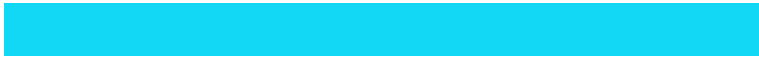
55.8235, 0.2149, 0.2906



55.8235, 0.3924, 0.3088

Square

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



55.8235, 0.2149, 0.2906



55.8235, 0.2842, 0.2481



55.8235, 0.4215, 0.3518



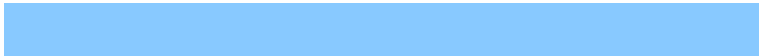
55.8235, 0.3336, 0.4283

Rectangle

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



55.8235, 0.2149, 0.2906



55.8235, 0.2298, 0.2436



55.8235, 0.4215, 0.3518



55.8235, 0.3982, 0.4159

Sweetspot

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



55.8255, 0.2149, 0.2906



83.1954, 0.2709, 0.3190



65.6240, 0.2971, 0.5842



17.3461, 0.2650, 0.3173



0.0000, 0.0000, 0.0000



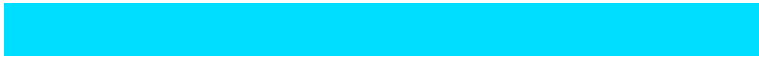
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8255, 0.2149, 0.2906



59.6775, 0.2131, 0.2873



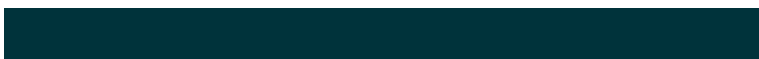
16.8222, 0.1714, 0.1324



18.3751, 0.2981, 0.3259



29.5175, 0.2134, 0.2881



2.6932, 0.2149, 0.2937

Inverse Universe

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



24.8023, 0.3536, 0.1745



26.5556, 0.3568, 0.1739



43.9012, 0.4984, 0.4377



16.7297, 0.3158, 0.3086



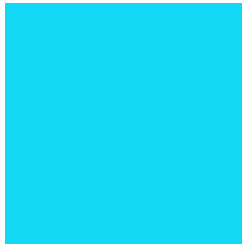
13.0792, 0.3561, 0.1735



1.1595, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 55.8235, 0.2149, 0.2906 looks on a white background.

Color Contrast Check

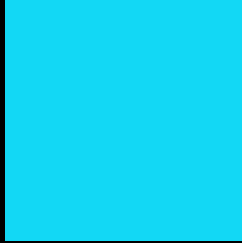
Large Text (above 18pt) WCAG AA × Fail

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 55.8235, 0.2149, 0.2906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

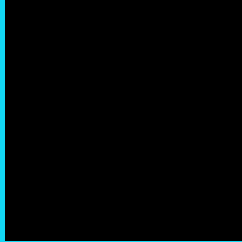
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8235, 0.2149, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 55.8235, 0.2149, 0.2906.



This preview shows how white text looks on a background with the Yxy color 55.8235, 0.2149, 0.2906.

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

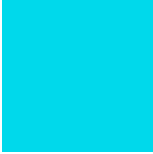
55.8329, 0.2149, 0.2906

Protanopia

54.9881, 0.2830, 0.2865

Deuteranopia

54.9157, 0.2683, 0.2626



Tritanopia

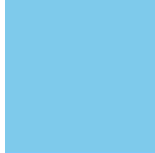
55.6239, 0.2179, 0.3045

Trichromacy



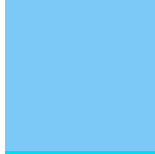
Original Color

55.8329, 0.2149, 0.2906



Protanomaly

52.6748, 0.2433, 0.2866



Deuteranomaly

52.8357, 0.2360, 0.2702



Tritanomaly

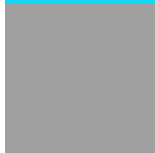
55.9029, 0.2168, 0.2994

Monochromacy



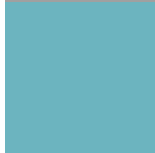
Original Color

55.8329, 0.2149, 0.2906



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.5922, 0.2517, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8235, 0.2149, 0.2906 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(18, 216, 245)` looks like.

```
.text, #text, p{  
    color:rgb(18, 216, 245)  
}
```

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(18, 216, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 216, 245) }
```

Border

The CSS property to change the border of an element to Yxy 55.8235, 0.2149, 0.2906 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(18, 216, 245) }
```

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

```
.border{ border-color:rgb(18, 216, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 216, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 216, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 216, 245);  
box-shadow:4px 4px 4px 4px rgb(18, 216,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8235, 0.2149, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 216, 245) }
```

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

```
.background{ background-color: rgb(18, 216,  
245) }
```

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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