

Converting Colors

$Y_{xy}(56.2112, 0.2133, 0.2849)$

Have a look what the booklet for
Yxy(56.2112, 0.2133, 0.2849)
contains.

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Color

Yxy(56.1425, 0.2132, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	12D8FA
RGB	18, 216, 250
RGB Percent	7%, 85%, 98%
CMY	0.9303, 0.1529, 0.0196
CMYK	0.93, 0.14, 0.00, 0.02
HSL	189°, 96%, 53%
HSV	189°, 93%, 98%
XYZ	42.0576, 56.1425, 99.0680
YIQ	160.6740, -128.9220, -31.4020

Conversions

Conversions Part 2

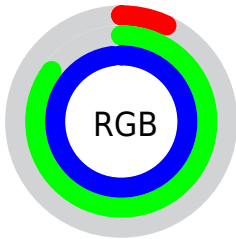
Format	Color
RYB	18, 125, 250
Decimal	1235194
CIELab	79.69, -31.47, -28.81
CIELCh	80, 42.662, 222.476
Yxy	56.1425, 0.2132, 0.2846
Android (android.graphics.Color)	4279425274 (0xFF12D8FA)
YUV	160.6740, 44.0377, -125.1251
Hunter-Lab	74.9283, -30.9317, -25.9417

Details

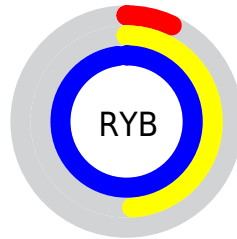
The Yxy color **56.1425, 0.2132, 0.2846** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **22.8033, 0.6140, 0.3436**, and the grayscale version is **35.2862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **29.3400, 0.2098, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **54.6962, 0.2114, 0.2809**, and if you desaturate by 10%, it is **58.4232, 0.2170, 0.2898**.

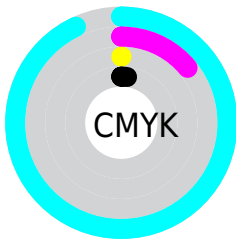
Distribution



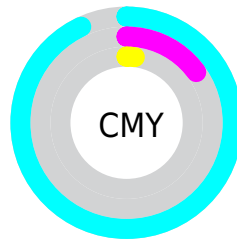
- Red (7%)
- Green (85%)
- Blue (98%)



- Red (7%)
- Yellow (49%)
- Blue (98%)



- Cyan (93%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)




- Cyan (93%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1425, 0.2132, 0.2846 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 56.1425, 0.2132, 0.2846 by changing the saturation by 10% instead.


 56.1425, 0.2132,
0.2846

 56.1425, 0.2132,
0.2846

 410.2283, 0.2591,
0.3074


 40.3172, 0.2029,
0.2789


 99.2129, 0.2290,
0.2929


 27.7859, 0.1904,
0.2716


 127.2268, 0.2352,
0.2961


 18.1644, 0.1749,
0.2620


 160.0723, 0.2405,
0.2987

 11.0681, 0.1553,
0.2490

 198.1338, 0.2452,
0.3010

 6.1126, 0.1300,
0.2306

 241.7958, 0.2493,
0.3029

 2.9137, 0.0972,
0.2031

 291.4426, 0.2529,

 1.0868, 0.0378,

0.3046

0.1632

347.4587, 0.2562,
0.3061

■ 0.0000, 0.0000,
0.0000

■ 56.1425, 0.2132,
0.2846

■ 56.1425, 0.2132,
0.2846

■ 54.6962, 0.2114,
0.2809

■ 58.4232, 0.2170,
0.2898

■ 61.0737, 0.2227,
0.2951

■ 64.1490, 0.2304,
0.3003

■ 67.6927, 0.2400,
0.3055

■ 71.7426, 0.2513,
0.3105

■ 76.3324, 0.2641,
0.3153

■ 81.4927, 0.2780,
0.3199

■ 87.2518, 0.2928,
0.3241

■ 93.6358, 0.3082,
0.3279

Harmonies

Analogous

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



56.1425, 0.2324, 0.3364



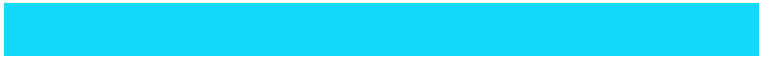
56.1425, 0.2132, 0.2846



56.1425, 0.2175, 0.2517

Triad

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



56.1425, 0.2132, 0.2846



56.1425, 0.3478, 0.2760



56.1425, 0.3791, 0.4268

Complementary

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



56.1425, 0.2132, 0.2846



22.8033, 0.6140, 0.3436

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.



56.1425, 0.4155, 0.3988



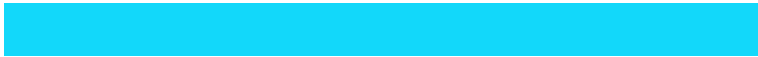
56.1425, 0.2132, 0.2846



56.1425, 0.3983, 0.3140

Square

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



56.1425, 0.2132, 0.2846



56.1425, 0.2908, 0.2499



56.1425, 0.4236, 0.3575



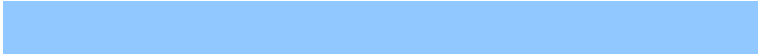
56.1425, 0.3266, 0.4270

Rectangle

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



56.1425, 0.2132, 0.2846



56.1425, 0.2331, 0.2420



56.1425, 0.4236, 0.3575



56.1425, 0.3937, 0.4198

Sweetspot

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



56.1445, 0.2132, 0.2846



82.3921, 0.2707, 0.3176



68.7221, 0.2965, 0.5824



17.1492, 0.2648, 0.3156



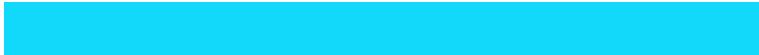
0.0000, 0.0000, 0.0000



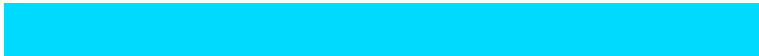
21.4041, 0.3127, 0.3290

Same Dimension

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



56.1445, 0.2132, 0.2846



57.1908, 0.2114, 0.2809



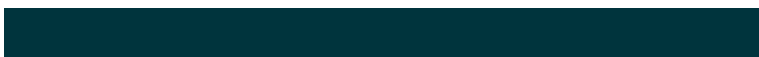
16.7133, 0.1698, 0.1270



19.1500, 0.2980, 0.3254



29.1769, 0.2116, 0.2818



2.8166, 0.2133, 0.2880

Inverse Universe

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



25.7087, 0.3590, 0.1774



26.3046, 0.3626, 0.1771



47.2250, 0.4946, 0.4411



17.4783, 0.3160, 0.3090



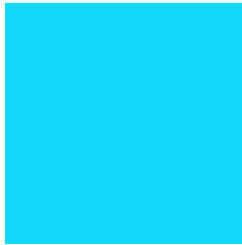
13.3563, 0.3618, 0.1767



1.2486, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 56.1425, 0.2132, 0.2846 looks on a white background.

Color Contrast Check

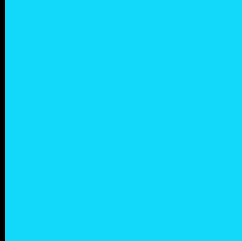
Large Text (above 18pt) WCAG AA × Fail

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 56.1425, 0.2132, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

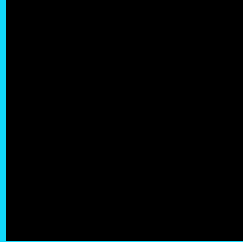
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.1425, 0.2132, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 56.1425, 0.2132, 0.2846.



This preview shows how white text looks on a background with the Yxy color 56.1425, 0.2132, 0.2846.

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

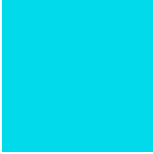
56.1425, 0.2132, 0.2846

Protanopia

55.1465, 0.2791, 0.2810

Deuteranopia

55.4272, 0.2642, 0.2585



Tritanopia

56.1410, 0.2183, 0.3059

Trichromacy



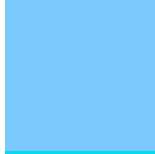
Original Color

56.1425, 0.2132, 0.2846



Protanomaly

52.8923, 0.2404, 0.2807



Deuteranomaly

53.0761, 0.2333, 0.2646



Tritanomaly

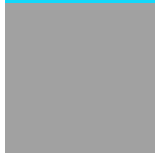
55.9557, 0.2164, 0.2982

Monochromacy



Original Color

56.1425, 0.2132, 0.2846



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.1492, 0.2514, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1425, 0.2132, 0.2846 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(18, 216, 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(18, 216, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 216, 250) }
```

Border

The CSS property to change the border of an element to Yxy 56.1425, 0.2132, 0.2846 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, 250) }
```

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

```
.border{ border-color:rgb(18, 216, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 216, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 216, 250);  
box-shadow:4px 4px 4px 4px rgb(18, 216,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1425, 0.2132, 0.2846 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, 250) }
```

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

```
.background{ background-color: rgb(18, 216,  
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](#).

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