

# Converting Colors

$Yxy(58.0666, 0.2159, 0.2818)$

Have a look what the booklet for  
Yxy(58.0666, 0.2159, 0.2818)  
contains.

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# Color

**Yxy(58.0666, 0.2159, 0.2818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33DAFF
RGB	51, 218, 255
RGB Percent	20%, 85%, 100%
CMY	0.8003, 0.1451, 0.0000
CMYK	0.80, 0.15, 0.00, 0.00
HSL	191°, 100%, 60%
HSV	191°, 80%, 100%
XYZ	44.4875, 58.0666, 103.5020
YIQ	172.2850, -111.4090, -23.8970

# Conversions

## Conversions Part 2

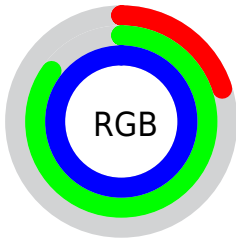
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 143, 255
Decimal	3398399
CIELab	80.78, -28.92, -29.79
CIELCh	81, 41.525, 225.849
Yxy	58.0666, 0.2159, 0.2818
Android (android.graphics.Color)	4281588479 (0xFF33DAFF)
YUV	172.2850, 40.7785, -106.3669
Hunter-Lab	76.2014, -29.1416, -27.1907

# Details

The Yxy color **58.0666, 0.2159, 0.2818** 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 **28.4633, 0.5664, 0.3558**, and the grayscale version is **41.2259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **30.2716, 0.2087, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **55.2123, 0.2111, 0.2752**, and if you desaturate by 10%, it is **61.3494, 0.2227, 0.2885**.

# Distribution



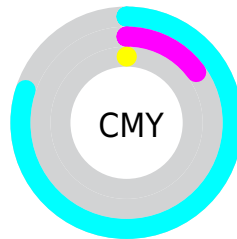
- Red (20%)
- Green (85%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0666, 0.2159, 0.2818 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 58.0666, 0.2159, 0.2818 by changing the saturation by 10% instead.




 58.0666, 0.2159,  
0.2818


 58.0666, 0.2159,  
0.2818

417.4341, 0.2603,  
0.3057

 41.8622, 0.2060,  
0.2759


 102.0198, 0.2311,  
0.2904

 28.9934, 0.1940,  
0.2685


 130.5375, 0.2371,  
0.2937

 19.0758, 0.1790,  
0.2588


 163.9283, 0.2423,  
0.2965

 11.7251, 0.1602,  
0.2458

 202.5767, 0.2468,  
0.2988

 6.5568, 0.1359,  
0.2276

246.8671, 0.2508,  
0.3009

 3.1865, 0.1043,  
0.2009

297.1838, 0.2543,

 1.2299, 0.0561,

0.3027

0.1613

353.9114, 0.2575,  
0.3043

■ 0.0859, 0.0000,  
0.0302

■ 0.0000, 0.0000,  
0.0000

■ 58.0666, 0.2159,  
0.2818

■ 58.0666, 0.2159,  
0.2818

■ 55.2123, 0.2111,  
0.2752

■ 61.3494, 0.2227,  
0.2885

■ 52.7099, 0.2080,  
0.2687

■ 65.1142, 0.2314,  
0.2951

■ 69.4049, 0.2419,  
0.3016

■ 74.2599, 0.2541,  
0.3078

■ 79.7139, 0.2676,  
0.3137

■ 85.7985, 0.2820,  
0.3192

■ 92.5429, 0.2972,  
0.3243

99.9742, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



58.0666, 0.2320, 0.3301



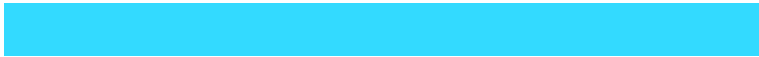
58.0666, 0.2159, 0.2818



58.0666, 0.2226, 0.2522

# Triad

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



58.0666, 0.2159, 0.2818



58.0666, 0.3527, 0.2814



58.0666, 0.3717, 0.4248

# Complementary

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



58.0666, 0.2159, 0.2818



28.4633, 0.5664, 0.3558

# 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.



58.0666, 0.4091, 0.4005



58.0666, 0.2159, 0.2818



58.0666, 0.3993, 0.3193

# Square

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



58.0666, 0.2159, 0.2818



58.0666, 0.2976, 0.2546



58.0666, 0.4202, 0.3616



58.0666, 0.3203, 0.4209



# Rectangle

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



58.0666, 0.2159, 0.2818



58.0666, 0.2393, 0.2443



58.0666, 0.4202, 0.3616



58.0666, 0.3864, 0.4192

# Sweetspot

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



58.0662, 0.2159, 0.2818



83.3075, 0.2762, 0.3171



72.8764, 0.2931, 0.5511



17.3710, 0.2711, 0.3151



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

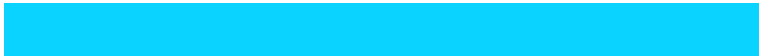


# Same Dimension

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



58.0662, 0.2159, 0.2818



53.6870, 0.2091, 0.2713



21.1018, 0.1800, 0.1461



19.8883, 0.2980, 0.3246



27.7447, 0.2083, 0.2698



2.8406, 0.2104, 0.2773



# Inverse Universe

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



28.6824, 0.3606, 0.1878



26.1657, 0.3714, 0.1832



57.0270, 0.4670, 0.4469



18.2405, 0.3166, 0.3098



13.5288, 0.3730, 0.1828

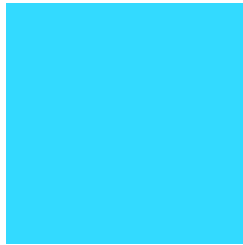


1.3313, 0.3660, 0.1790



# Previews

## White Background



This preview shows how the Yxy color 58.0666, 0.2159, 0.2818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

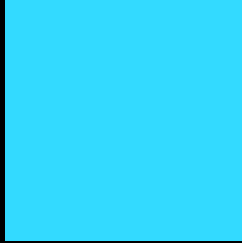
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0666, 0.2159, 0.2818 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 58.0666, 0.2159, 0.2818**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0666, 0.2159, 0.2818.

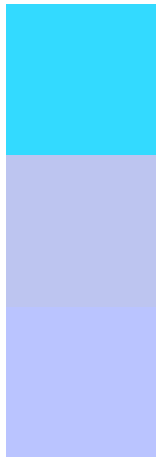


This preview shows how white text looks on a background with the Yxy color 58.0666, 0.2159, 0.2818.

# 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

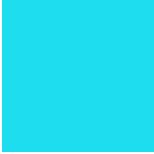
58.0666, 0.2159, 0.2818

### Protanopia

57.0426, 0.2776, 0.2794

### Deuteranopia

57.1390, 0.2665, 0.2624



## **Tritanopia**

58.2209, 0.2199, 0.3050

# Trichromacy



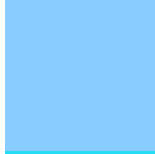
## Original Color

58.0666, 0.2159, 0.2818



## Protanomaly

55.7442, 0.2457, 0.2797



## Deuteranomaly

55.7241, 0.2397, 0.2674



## Tritanomaly

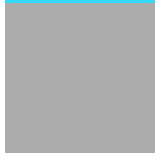
58.1910, 0.2183, 0.2963

# Monochromacy



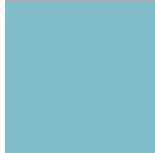
## Original Color

58.0666, 0.2159, 0.2818



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

45.2487, 0.2593, 0.3107

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0666, 0.2159, 0.2818 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(51, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 218, 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(51, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 218, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0666, 0.2159, 0.2818 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(51, 218, 255) }
```

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

```
.border{ border-color:rgb(51, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 218,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0666, 0.2159, 0.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 218, 255) }
```

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

```
.background{ background-color: rgb(51, 218,  
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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