

# Converting Colors

$Y_{xy}(80.7590, 0.2031, 0.2249)$

Have a look what the booklet for  
Yxy(80.7590, 0.2031, 0.2249)  
contains.

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# Color

**Yxy(73.3959, 0.2319, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58F3FF
RGB	88, 243, 255
RGB Percent	35%, 95%, 100%
CMY	0.6542, 0.0471, 0.0000
CMYK	0.65, 0.05, 0.00, 0.00
HSL	184°, 100%, 67%
HSV	184°, 65%, 100%
XYZ	54.1365, 73.3959, 105.9151
YIQ	198.0230, -96.2320, -29.1280

# Conversions

## Conversions Part 2

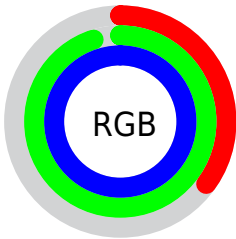
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 168, 255
Decimal	5829631
CIE <sub>Lab</sub>	88.64, -36.55, -17.76
CIE <sub>LCh</sub>	89, 40.639, 205.912
Yxy	73.3959, 0.2319, 0.3144
Android (android.graphics.Color)	4284019711 (0xFF58F3FF)
YUV	198.0230, 28.0897, -96.4902
Hunter-Lab	85.6714, -37.1293, -13.3300

# Details

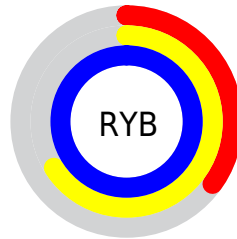
The Yxy color **73.3959, 0.2319, 0.3144** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.1172, 0.5202, 0.3402**, and the grayscale version is **56.3874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **71.2685, 0.2257, 0.3119**, and if you desaturate by 10%, it is **75.9750, 0.2400, 0.3169**.

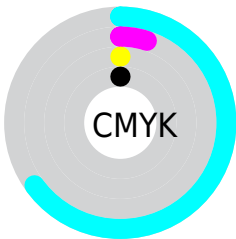
# Distribution



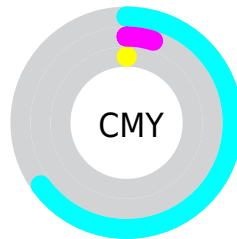
- Red (35%)
- Green (95%)
- Blue (100%)



- Red (35%)
- Yellow (66%)
- Blue (100%)



- Cyan (65%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (65%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3959, 0.2319, 0.3144 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 73.3959, 0.2319, 0.3144 by changing the saturation by 10% instead.




 73.3959, 0.2319,  
0.3144


 73.3959, 0.2319,  
0.3144

472.3858, 0.2680,  
0.3223

 54.2997, 0.2240,  
0.3123


 124.0391, 0.2442,  
0.3174


 38.8414, 0.2144,  
0.3097


 156.3549, 0.2490,  
0.3184

 26.6363, 0.2026,  
0.3061


 193.8461, 0.2532,  
0.3194

 17.3003, 0.1877,  
0.3012

 236.8969, 0.2569,  
0.3201

 10.4488, 0.1685,  
0.2940

285.8920, 0.2602,  
0.3208

 5.6975, 0.1429,  
0.2829

341.2155, 0.2631,

 2.6621, 0.1081,

0.3214

0.2641

403.2520, 0.2657,  
0.3219

■ 0.9580, 0.0041,  
0.2426

■ 0.0000, 0.0000,  
0.0000

■ 73.3959, 0.2319,  
0.3144

■ 73.3959, 0.2319,  
0.3144

■ 71.2685, 0.2257,  
0.3119

■ 75.9750, 0.2400,  
0.3169

■ 69.5370, 0.2215,  
0.3094

■ 79.0383, 0.2500,  
0.3193

■ 68.1452, 0.2191,  
0.3070

■ 82.6247, 0.2617,  
0.3217

■ 67.5821, 0.2183,  
0.3059

■ 86.7669, 0.2748,  
0.3239

■ 91.4948, 0.2891,  
0.3260

■ 96.8362, 0.3043,  
0.3280

99.9996, 0.3127,  
0.3290

# Harmonies

## Analogous

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



73.3959, 0.2602, 0.3631



73.3959, 0.2319, 0.3144



73.3959, 0.2240, 0.2753

# Triad

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



73.3959, 0.2319, 0.3144



73.3959, 0.3158, 0.2677



73.3959, 0.3913, 0.4038

# Complementary

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



73.3959, 0.2319, 0.3144



31.1172, 0.5202, 0.3402

# 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.



73.3959, 0.4099, 0.3720



73.3959, 0.2319, 0.3144



73.3959, 0.3648, 0.2965

# Square

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



73.3959, 0.2319, 0.3144



73.3959, 0.2694, 0.2525



73.3959, 0.4004, 0.3335



73.3959, 0.3519, 0.4176

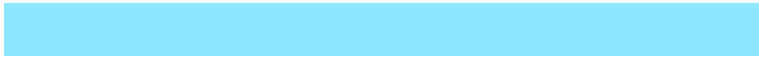


# Rectangle

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



73.3959, 0.2319, 0.3144



73.3959, 0.2304, 0.2591



73.3959, 0.4004, 0.3335



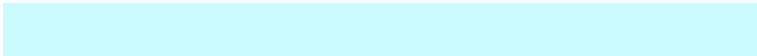
73.3959, 0.4003, 0.3946

# Sweetspot

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



73.3986, 0.2319, 0.3144



89.2580, 0.2825, 0.3251



74.5068, 0.2992, 0.5298



18.8241, 0.2785, 0.3245



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.



73.3986, 0.2319, 0.3144



70.6086, 0.2240, 0.3110



34.6079, 0.2058, 0.2050



20.2444, 0.2980, 0.3272



35.4096, 0.2184, 0.3063



3.5120, 0.2192, 0.3091



# Inverse Universe

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



34.7392, 0.3312, 0.1889



30.1778, 0.3351, 0.1733



55.7141, 0.4520, 0.4206



18.2765, 0.3149, 0.3072



14.3026, 0.3399, 0.1646

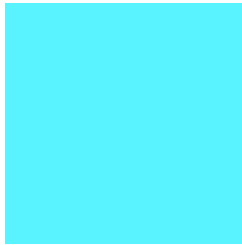


1.3991, 0.3375, 0.1633



# Previews

## White Background



This preview shows how the Yxy color 73.3959, 0.2319, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

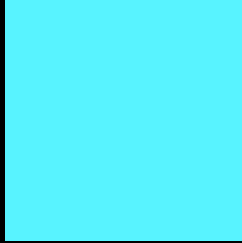
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3959, 0.2319, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

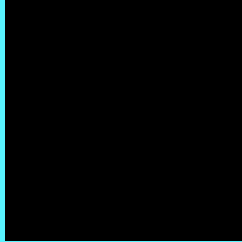
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.3959, 0.2319, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3959, 0.2319, 0.3144.

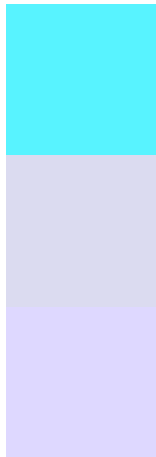


This preview shows how white text looks on a background with the Yxy color 73.3959, 0.2319, 0.3144.

# 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

73.3959, 0.2319, 0.3144

### Protanopia

72.0144, 0.2991, 0.3065

### Deuteranopia

71.8613, 0.2918, 0.2883



## Tritanopia

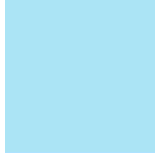
72.8811, 0.2432, 0.3089

# Trichromacy



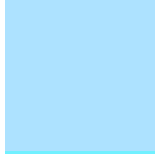
## Original Color

73.3959, 0.2319, 0.3144



## Protanomaly

70.7373, 0.2669, 0.3095



## Deuteranomaly

70.4969, 0.2626, 0.2963



## Tritanomaly

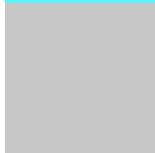
73.0509, 0.2386, 0.3111

# Monochromacy



## Original Color

73.3959, 0.2319, 0.3144



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

60.4767, 0.2718, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3959, 0.2319, 0.3144 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(88, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 243, 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(88, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3959, 0.2319, 0.3144 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(88, 243, 255) }
```

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

```
.border{ border-color:rgb(88, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3959, 0.2319, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 243, 255) }
```

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

```
.background{ background-color: rgb(88, 243,  
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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