

# Converting Colors

$Yxy(56.8666, 0.2250, 0.2755)$

Have a look what the booklet for  
Yxy(56.8666, 0.2250, 0.2755)  
contains.

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# Color

**Yxy(56.7938, 0.2250, 0.2753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60D4FF
RGB	96, 212, 255
RGB Percent	38%, 83%, 100%
CMY	0.6232, 0.1686, 0.0002
CMYK	0.62, 0.17, 0.00, 0.00
HSL	196°, 100%, 69%
HSV	196°, 62%, 100%
XYZ	46.4170, 56.7938, 103.0870
YIQ	182.2180, -82.9390, -11.2190

# Conversions

## Conversions Part 2

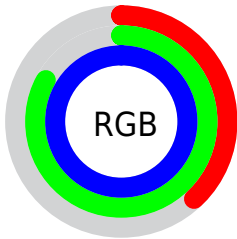
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	96, 163, 255
Decimal	6345983
CIE <sub>Lab</sub>	80.06, -20.32, -30.76
CIE <sub>LCh</sub>	80, 36.866, 236.550
Yxy	56.7938, 0.2250, 0.2753
Android (android.graphics.Color)	4284536063 (0xFF60D4FF)
YUV	182.2180, 35.8815, -75.6132
Hunter-Lab	75.3617, -21.9406, -28.3495

# Details

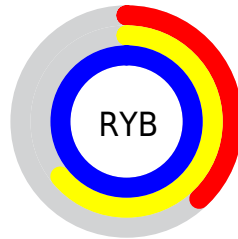
The Yxy color **56.7938, 0.2250, 0.2753** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.5725, 0.4811, 0.3712**, and the grayscale version is **46.7491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **28.1912, 0.2058, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **52.2555, 0.2154, 0.2651**, and if you desaturate by 10%, it is **61.9317, 0.2364, 0.2853**.

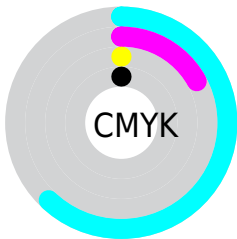
# Distribution



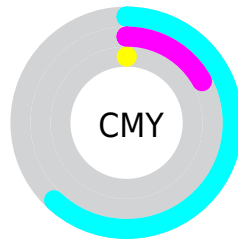
- Red (38%)
- Green (83%)
- Blue (100%)



- Red (38%)
- Yellow (64%)
- Blue (100%)



- Cyan (62%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7938, 0.2250, 0.2753 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 56.7938, 0.2250, 0.2753 by changing the saturation by 10% instead.





 56.7938, 0.2250,  
0.2753


 56.7938, 0.2250,  
0.2753

 412.6762, 0.2656,  
0.3018


 40.8397, 0.2158,  
0.2689


 100.1643, 0.2390,  
0.2848


 28.1939, 0.2047,  
0.2609


 128.3494, 0.2445,  
0.2884


 18.4718, 0.1907,  
0.2505


 161.3804, 0.2492,  
0.2915


 11.2893, 0.1729,  
0.2367

 199.6415, 0.2534,  
0.2941

 6.2618, 0.1496,  
0.2176

 243.5173, 0.2570,  
0.2964

 3.0049, 0.1187,  
0.1901

 293.3921, 0.2602,

 1.1343, 0.0741,

0.2985

0.1492

349.6503, 0.2631,  
0.3002

0.0070, 0.0000,  
0.0026

0.0000, 0.0000,  
0.0000

56.7938, 0.2250,  
0.2753

56.7938, 0.2250,  
0.2753

52.2555, 0.2154,  
0.2651

61.9317, 0.2364,  
0.2853

48.2636, 0.2078,  
0.2548

67.7040, 0.2493,  
0.2949

44.7638, 0.2023,  
0.2445

74.1492, 0.2634,  
0.3040

42.3460, 0.1991,  
0.2368

81.3009, 0.2783,  
0.3125

■ 89.1898, 0.2936,  
0.3204

■ 97.8448, 0.3091,  
0.3275

■ 99.9973, 0.3127,  
0.3290

# Harmonies

## Analogous

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



56.7938, 0.2324, 0.3137



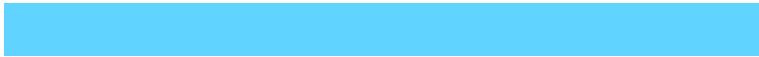
56.7938, 0.2250, 0.2753



56.7938, 0.2384, 0.2549

# Triad

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



56.7938, 0.2250, 0.2753



56.7938, 0.3652, 0.2976



56.7938, 0.3505, 0.4165

# Complementary

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



56.7938, 0.2250, 0.2753



40.5725, 0.4811, 0.3712

# 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.



56.7938, 0.3897, 0.4035



56.7938, 0.2250, 0.2753



56.7938, 0.3999, 0.3343

# Square

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



56.7938, 0.2250, 0.2753



56.7938, 0.3168, 0.2689



56.7938, 0.4087, 0.3724



56.7938, 0.3029, 0.4017



# Rectangle

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



56.7938, 0.2250, 0.2753



56.7938, 0.2581, 0.2519



56.7938, 0.4087, 0.3724



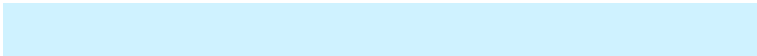
56.7938, 0.3651, 0.4149

# Sweetspot

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



56.7959, 0.2250, 0.2753



83.8659, 0.2833, 0.3152



75.8319, 0.2870, 0.4815



17.4819, 0.2789, 0.3129



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.



56.7959, 0.2250, 0.2753



51.1517, 0.2132, 0.2623



26.5238, 0.2007, 0.1702



19.6018, 0.2980, 0.3224



22.3953, 0.1996, 0.2385



2.3617, 0.2028, 0.2500



# Inverse Universe

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



34.3851, 0.3636, 0.2182



29.2244, 0.3778, 0.2050



72.1813, 0.4222, 0.4456



18.2116, 0.3180, 0.3118



12.9888, 0.4039, 0.1998

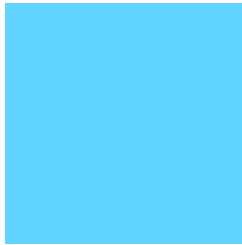


1.2830, 0.3922, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 56.7938, 0.2250, 0.2753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

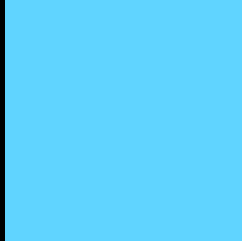
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7938, 0.2250, 0.2753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

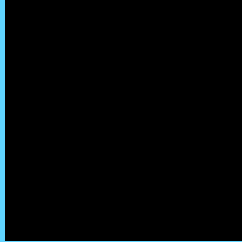
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

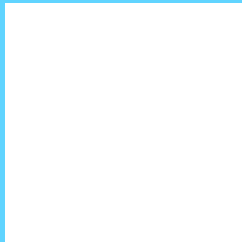
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7938, 0.2250, 0.2753**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7938, 0.2250, 0.2753.



This preview shows how white text looks on a background with the Yxy color 56.7938, 0.2250, 0.2753.

# 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

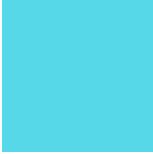
56.7938, 0.2250, 0.2753

### Protanopia

55.9404, 0.2735, 0.2735

### Deuteranopia

55.9939, 0.2650, 0.2598



## Tritanopia

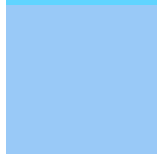
56.9734, 0.2319, 0.3065

# Trichromacy



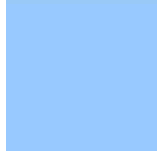
## Original Color

56.7938, 0.2250, 0.2753



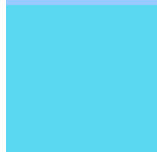
## Protanomaly

55.2610, 0.2515, 0.2735



## Deuteranomaly

55.6687, 0.2469, 0.2649



## Tritanomaly

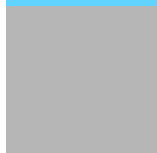
57.1254, 0.2295, 0.2953

# Monochromacy



## Original Color

56.7938, 0.2250, 0.2753



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

49.3227, 0.2705, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7938, 0.2250, 0.2753 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(96, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 212, 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(96, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7938, 0.2250, 0.2753 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(96, 212, 255) }
```

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

```
.border{ border-color:rgb(96, 212, 255) }
```

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

Here you see how a box with a 4 pixel rgb(96, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7938, 0.2250, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 212, 255) }
```

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

```
.background{ background-color: rgb(96, 212,  
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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