

# Converting Colors

$Yxy(56.1257, 0.2380, 0.2850)$

Have a look what the booklet for  
Yxy(56.1257, 0.2380, 0.2850)  
contains.

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# Color

**Yxy(56.1257, 0.2380, 0.2850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D1F4
RGB	120, 209, 244
RGB Percent	47%, 82%, 96%
CMY	0.5295, 0.1804, 0.0432
CMYK	0.51, 0.14, 0.00, 0.04
HSL	197°, 85%, 71%
HSV	197°, 51%, 96%
XYZ	46.8699, 56.1257, 93.9367
YIQ	186.3790, -64.2790, -7.9830

# Conversions

## Conversions Part 2

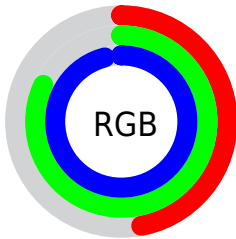
Format	Color
R <sub>Y</sub> B	120, 172, 244
Decimal	7918068
CIE Lab	79.69, -17.41, -25.42
CIE LCh	80, 30.813, 235.587
Yxy	56.1257, 0.2380, 0.2850
Android (android.graphics.Color)	4286108148 (0xFF78D1F4)
YUV	186.3790, 28.4072, -58.2144
Hunter-Lab	74.9171, -19.4311, -21.9003

# Details

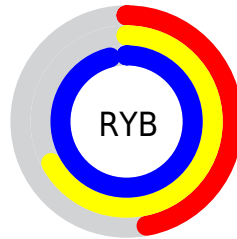
The Yxy color **56.1257, 0.2380, 0.2850** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.0106, 0.4370, 0.3670**, and the grayscale version is **49.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **27.6119, 0.2196, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **51.2963, 0.2262, 0.2746**, and if you desaturate by 10%, it is **61.5494, 0.2512, 0.2950**.

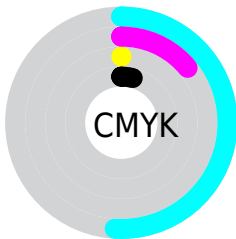
# Distribution



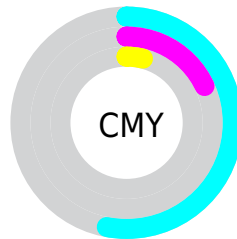
- Red (47%)
- Green (82%)
- Blue (96%)



- Red (47%)
- Yellow (67%)
- Blue (96%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)




- Cyan (53%)
- Magenta (18%)
- Yellow (4%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1257, 0.2380, 0.2850 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 56.1257, 0.2380, 0.2850 by changing the saturation by 10% instead.




 56.1257, 0.2380,  
0.2850


 56.1257, 0.2380,  
0.2850


 410.1650, 0.2730,  
0.3068


 40.3037, 0.2300,  
0.2797


 99.1883, 0.2502,  
0.2928


 27.7754, 0.2201,  
0.2730


 127.1978, 0.2549,  
0.2958


 18.1564, 0.2076,  
0.2642


 160.0385, 0.2590,  
0.2983

 11.0624, 0.1914,  
0.2525

 198.0949, 0.2625,  
0.3005

 6.1088, 0.1698,  
0.2359

 241.7513, 0.2656,  
0.3024

 2.9113, 0.1400,  
0.2112

 291.3923, 0.2684,

 1.0856, 0.0944,

0.3041

0.1726

347.4020, 0.2708,  
0.3055

0.0000, 0.0000,  
0.0000

56.1257, 0.2380,  
0.2850

56.1257, 0.2380,  
0.2850

51.2963, 0.2262,  
0.2746

61.5494, 0.2512,  
0.2950

47.0187, 0.2162,  
0.2639

67.5938, 0.2655,  
0.3044

43.2536, 0.2081,  
0.2532

74.2908, 0.2805,  
0.3131

39.9517, 0.2020,  
0.2425

81.6680, 0.2960,  
0.3211

37.2589, 0.1980,  
0.2328

89.7512, 0.3114,  
0.3284

96.3454, 0.3194,  
0.3351

99.3106, 0.3191,  
0.3396

# Harmonies

## Analogous

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



56.1257, 0.2451, 0.3180



56.1257, 0.2380, 0.2850



56.1257, 0.2490, 0.2666

# Triad

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



56.1257, 0.2380, 0.2850



56.1257, 0.3556, 0.3016



56.1257, 0.3463, 0.4020

# Complementary

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



56.1257, 0.2380, 0.2850



44.0106, 0.4370, 0.3670

# 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.



56.1257, 0.3786, 0.3916



56.1257, 0.2380, 0.2850



56.1257, 0.3850, 0.3331

# Square

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



56.1257, 0.2380, 0.2850



56.1257, 0.3152, 0.2771



56.1257, 0.3934, 0.3656



56.1257, 0.3062, 0.3899



# Rectangle

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



56.1257, 0.2380, 0.2850



56.1257, 0.2657, 0.2633



56.1257, 0.3934, 0.3656



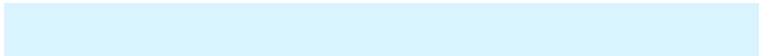
56.1257, 0.3585, 0.4008

# Sweetspot

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



56.1278, 0.2380, 0.2850



86.7629, 0.2894, 0.3179



70.9839, 0.2896, 0.4485



18.2029, 0.2862, 0.3162



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.



56.1278, 0.2380, 0.2850



56.5522, 0.2259, 0.2743



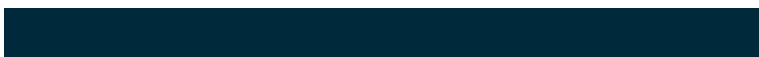
31.9881, 0.2221, 0.2041



17.9216, 0.2980, 0.3222



20.5057, 0.1985, 0.2345



1.9759, 0.2022, 0.2478



# Inverse Universe

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



37.2607, 0.3528, 0.2368



34.9790, 0.3642, 0.2215



69.2108, 0.4015, 0.4275



16.6839, 0.3181, 0.3122



12.1694, 0.4079, 0.2021

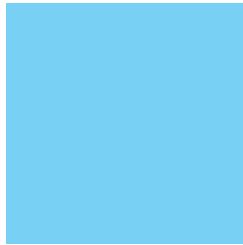


1.0871, 0.3945, 0.1947



# Previews

## White Background



This preview shows how the Yxy color 56.1257, 0.2380, 0.2850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

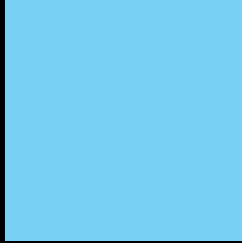
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.1257, 0.2380, 0.2850 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 56.1257, 0.2380, 0.2850**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1257, 0.2380, 0.2850.

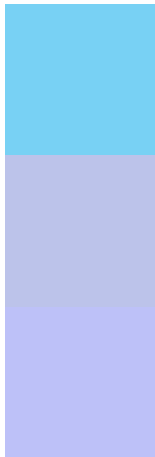


This preview shows how white text looks on a background with the Yxy color 56.1257, 0.2380, 0.2850.

# 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

56.1257, 0.2380, 0.2850

### Protanopia

55.6621, 0.2805, 0.2833

### Deuteranopia

55.7361, 0.2723, 0.2663



## Tritanopia

56.3889, 0.2435, 0.3068

# Trichromacy



**Original Color**

56.1257, 0.2380, 0.2850

**Protanomaly**

55.2681, 0.2621, 0.2830

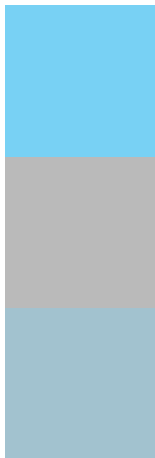
**Deuteranomaly**

55.4548, 0.2576, 0.2720

**Tritanomaly**

56.3110, 0.2418, 0.2994

# Monochromacy



**Original Color**

56.1257, 0.2380, 0.2850

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.7699, 0.2794, 0.3121

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1257, 0.2380, 0.2850 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(120, 209, 244)` looks like.

```
.text, #text, p{  
    color:rgb(120, 209, 244)  
}
```

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(120, 209, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 209, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1257, 0.2380, 0.2850 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(120, 209, 244) }
```

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

```
.border{ border-color:rgb(120, 209, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 209, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 209, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 209, 244);  
box-shadow:4px 4px 4px 4px rgb(120, 209,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1257, 0.2380, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 209, 244) }
```

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

```
.background{ background-color: rgb(120,  
209, 244) }
```

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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