

Converting Colors

$Yxy(56.8233, 0.2387, 0.2852)$

Have a look what the booklet for
Yxy(56.8233, 0.2387, 0.2852)
contains.

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Color

Yxy(56.8233, 0.2387, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	7AD2F5
RGB	122, 210, 245
RGB Percent	48%, 82%, 96%
CMY	0.5214, 0.1765, 0.0392
CMYK	0.50, 0.14, 0.00, 0.04
HSL	197°, 86%, 72%
HSV	197°, 50%, 96%
XYZ	47.5586, 56.8233, 94.8583
YIQ	187.6780, -63.6830, -7.7710

Conversions

Conversions Part 2

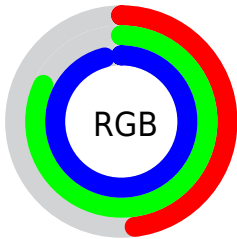
Format	Color
R _Y B	122, 173, 245
Decimal	8049397
CIE Lab	80.08, -17.19, -25.36
CIE LCh	80, 30.637, 235.869
Yxy	56.8233, 0.2387, 0.2852
Android (android.graphics.Color)	4286239477 (0xFF7AD2F5)
YUV	187.6780, 28.2597, -57.5996
Hunter-Lab	75.3812, -19.3001, -21.8425

Details

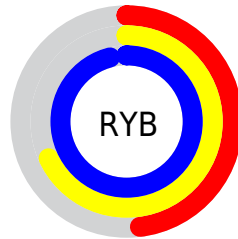
The Yxy color **56.8233, 0.2387, 0.2852** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.9523, 0.4347, 0.3670**, and the grayscale version is **49.9668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **28.0775, 0.2206, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **51.8860, 0.2268, 0.2747**, and if you desaturate by 10%, it is **62.3659, 0.2520, 0.2952**.

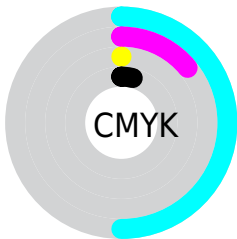
Distribution



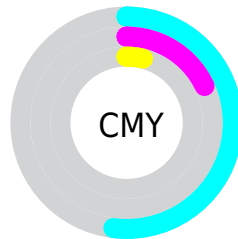
- Red (48%)
- Green (82%)
- Blue (96%)



- Red (48%)
- Yellow (68%)
- Blue (96%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (18%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8233, 0.2387, 0.2852 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 56.8233, 0.2387, 0.2852 by changing the saturation by 10% instead.


 56.8233, 0.2387,
0.2852

 56.8233, 0.2387,
0.2852


412.7869, 0.2733,
0.3069


 40.8634, 0.2308,
0.2799


 100.2073, 0.2507,
0.2930

 28.2124, 0.2210,
0.2733


 128.4002, 0.2554,
0.2959

 18.4858, 0.2087,
0.2647


 161.4396, 0.2594,
0.2984

 11.2993, 0.1928,
0.2531

199.7097, 0.2629,
0.3006

 6.2685, 0.1715,
0.2367

243.5952, 0.2660,
0.3025

 3.0091, 0.1421,
0.2125

293.4802, 0.2687,

 1.1365, 0.0984,

0.3041

0.1745

349.7493, 0.2712,
0.3056

0.0089, 0.0000,
0.0043

0.0000, 0.0000,
0.0000

56.8233, 0.2387,
0.2852

56.8233, 0.2387,
0.2852

51.8860, 0.2268,
0.2747

62.3659, 0.2520,
0.2952

47.5111, 0.2166,
0.2639

68.5402, 0.2664,
0.3047

43.6593, 0.2083,
0.2531

75.3783, 0.2815,
0.3135

40.2814, 0.2021,
0.2422

82.9081, 0.2969,
0.3216

■ 37.3508, 0.1977,
0.2318

■ 91.1556, 0.3124,
0.3289

■ 97.3840, 0.3187,
0.3356

■ 99.3735, 0.3185,
0.3386

Harmonies

Analogous

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



56.8233, 0.2456, 0.3177



56.8233, 0.2387, 0.2852



56.8233, 0.2498, 0.2670

Triad

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



56.8233, 0.2387, 0.2852



56.8233, 0.3556, 0.3021



56.8233, 0.3456, 0.4013

Complementary

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



56.8233, 0.2387, 0.2852



44.9523, 0.4347, 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.



56.8233, 0.3778, 0.3912



56.8233, 0.2387, 0.2852



56.8233, 0.3845, 0.3334

Square

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



56.8233, 0.2387, 0.2852



56.8233, 0.3155, 0.2778



56.8233, 0.3926, 0.3656



56.8233, 0.3059, 0.3891

Rectangle

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



56.8233, 0.2387, 0.2852



56.8233, 0.2664, 0.2639



56.8233, 0.3926, 0.3656



56.8233, 0.3577, 0.4002

Sweetspot

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



56.8254, 0.2387, 0.2852



86.7003, 0.2894, 0.3178



71.8839, 0.2888, 0.4440



18.1878, 0.2862, 0.3160



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.



56.8254, 0.2387, 0.2852



56.8499, 0.2268, 0.2748



32.1272, 0.2227, 0.2032



17.9137, 0.2980, 0.3221



20.3667, 0.1982, 0.2335



1.9645, 0.2019, 0.2469

Inverse Universe

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



37.9955, 0.3525, 0.2381



35.4878, 0.3635, 0.2232



71.1554, 0.3993, 0.4282



16.6831, 0.3182, 0.3122



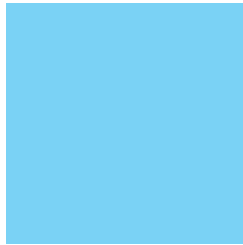
12.1554, 0.4090, 0.2027



1.0860, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 56.8233, 0.2387, 0.2852 looks on a white background.

Color Contrast Check

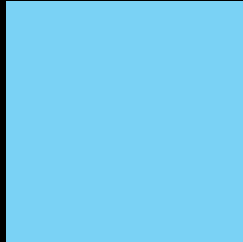
Large Text (above 18pt) WCAG AA × Fail

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 56.8233, 0.2387, 0.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

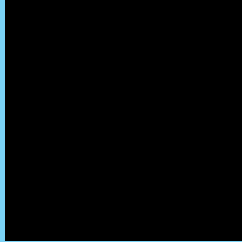
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8233, 0.2387, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 56.8233, 0.2387, 0.2852.

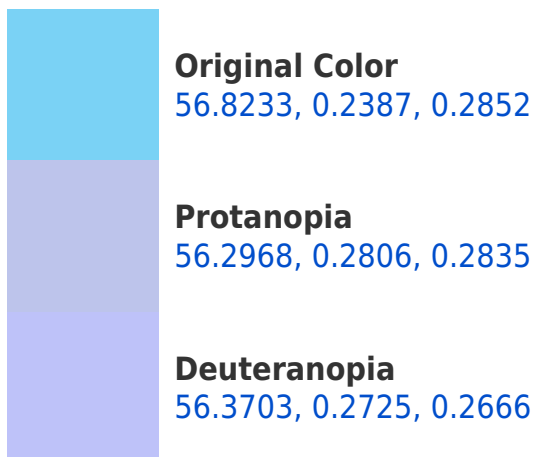


This preview shows how white text looks on a background with the Yxy color 56.8233, 0.2387, 0.2852.

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

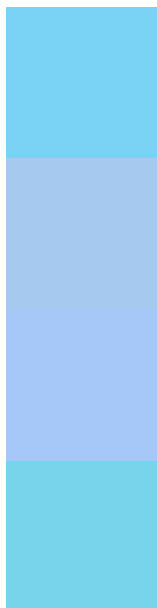




Tritanopia

57.0836, 0.2442, 0.3069

Trichromacy



Original Color

56.8233, 0.2387, 0.2852

Protanomaly

56.0046, 0.2629, 0.2833

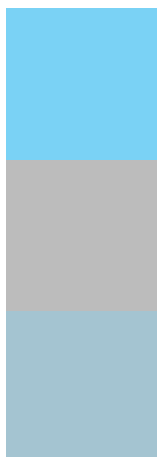
Deuteranomaly

56.0852, 0.2578, 0.2722

Tritanomaly

57.0071, 0.2425, 0.2995

Monochromacy



Original Color

56.8233, 0.2387, 0.2852

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.9758, 0.2797, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8233, 0.2387, 0.2852 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(122, 210, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 210, 245)  
}
```

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(122, 210, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 210, 245) }
```

Border

The CSS property to change the border of an element to Yxy 56.8233, 0.2387, 0.2852 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(122, 210, 245) }
```

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

```
.border{ border-color:rgb(122, 210, 245) }
```

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

Here you see how a box with a 4 pixel rgb(122, 210, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 210, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 210, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 210,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8233, 0.2387, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 210, 245) }
```

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

```
.background{ background-color: rgb(122,  
210, 245) }
```

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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