

Converting Colors

$Y_{xy}(47.2956, 0.2359, 0.2893)$

Have a look what the booklet for
Yxy(47.2956, 0.2359, 0.2893)
contains.

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Color

Yxy(47.2956, 0.2359, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	67C3E0
RGB	103, 195, 224
RGB Percent	40%, 76%, 88%
CMY	0.5960, 0.2353, 0.1215
CMYK	0.54, 0.13, 0.00, 0.12
HSL	194°, 66%, 64%
HSV	194°, 54%, 88%
XYZ	38.5656, 47.2956, 77.6217
YIQ	170.7980, -64.1410, -10.4850

Conversions

Conversions Part 2

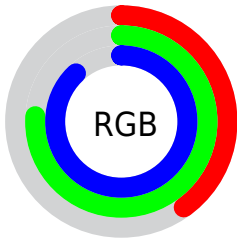
Format	Color
RYB	103, 155, 224
Decimal	6800352
CIELab	74.38, -19.40, -22.84
CIElCh	74, 29.967, 229.653
Yxy	47.2956, 0.2359, 0.2893
Android (android.graphics.Color)	4284990432 (0xFF67C3E0)
YUV	170.7980, 26.2286, -59.4588
Hunter-Lab	68.7718, -20.2520, -18.7795

Details

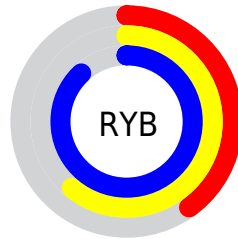
The Yxy color **47.2956, 0.2359, 0.2893** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **33.3401, 0.4511, 0.3629**, and the grayscale version is **40.5123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5222, 0.2610, 0.3255**, and **22.2894, 0.2160, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **43.7812, 0.2252, 0.2805**, and if you desaturate by 10%, it is **51.2549, 0.2481, 0.2978**.

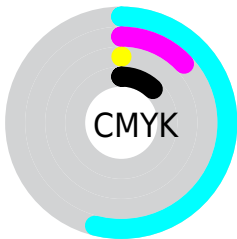
Distribution



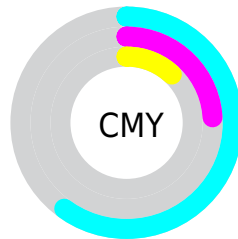
- Red (40%)
- Green (76%)
- Blue (88%)



- Red (40%)
- Yellow (61%)
- Blue (88%)



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)




- Cyan (60%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2956, 0.2359, 0.2893 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 47.2956, 0.2359, 0.2893 by changing the saturation by 10% instead.


 47.2956, 0.2359,
0.2893

 47.2956, 0.2359,
0.2893


375.9932, 0.2730,
0.3098

 33.2694, 0.2271,
0.2841


 86.1547, 0.2490,
0.2969


 22.3329, 0.2162,
0.2773


 111.7564, 0.2541,
0.2997

 14.1017, 0.2021,
0.2683


 141.9853, 0.2584,
0.3020

 8.1914, 0.1835,
0.2557

 177.2260, 0.2621,
0.3040

 4.2177, 0.1581,
0.2371

217.8627, 0.2653,
0.3058

 1.7961, 0.1221,
0.2078

264.2799, 0.2682,

 0.4847, 0.0000,

0.3073

0.1545

316.8619, 0.2707,
0.3086

0.0000, 0.0000,
0.0000

47.2956, 0.2359,
0.2893

47.2956, 0.2359,
0.2893

43.7812, 0.2252,
0.2805

51.2549, 0.2481,
0.2978

40.6765, 0.2164,
0.2716

55.6804, 0.2617,
0.3058

37.9488, 0.2095,
0.2627

60.5984, 0.2761,
0.3133

35.5562, 0.2046,
0.2538

66.0311, 0.2912,
0.3203

34.2430, 0.2024,
0.2485

71.9994, 0.3065,
0.3266

78.5229, 0.3219,
0.3324

84.6921, 0.3337,
0.3376

87.7727, 0.3330,
0.3429

90.9466, 0.3324,
0.3481

Harmonies

Analogous

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



47.2956, 0.2469, 0.3255



47.2956, 0.2359, 0.2893



47.2956, 0.2436, 0.2672

Triad

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



47.2956, 0.2359, 0.2893



47.2956, 0.3491, 0.2951



47.2956, 0.3548, 0.4038

Complementary

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



47.2956, 0.2359, 0.2893



33.3401, 0.4511, 0.3629

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.



47.2956, 0.3853, 0.3890



47.2956, 0.2359, 0.2893



47.2956, 0.3827, 0.3264

Square

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



47.2956, 0.2359, 0.2893



47.2956, 0.3068, 0.2720



47.2956, 0.3961, 0.3602



47.2956, 0.3142, 0.3963

Rectangle

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



47.2956, 0.2359, 0.2893



47.2956, 0.2585, 0.2617



47.2956, 0.3961, 0.3602



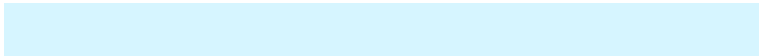
47.2956, 0.3666, 0.4010

Sweetspot

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



47.2974, 0.2359, 0.2893



86.9826, 0.2880, 0.3189



57.8460, 0.2909, 0.4627



18.2887, 0.2848, 0.3174



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.



47.2974, 0.2359, 0.2893



58.0885, 0.2238, 0.2793



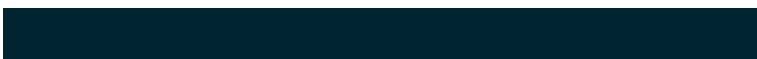
25.6758, 0.2178, 0.2015



14.9862, 0.2982, 0.3232



20.1171, 0.2027, 0.2499



1.5299, 0.2065, 0.2635

Inverse Universe

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



29.4944, 0.3499, 0.2271



33.3660, 0.3607, 0.2107



54.4160, 0.4093, 0.4285



13.8765, 0.3174, 0.3114



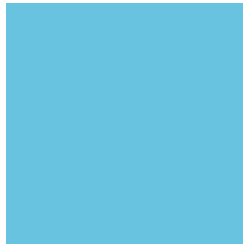
10.9389, 0.3924, 0.1935



0.7719, 0.3790, 0.1862

Previews

White Background



This preview shows how the Yxy color 47.2956, 0.2359, 0.2893 looks on a white background.

Color Contrast Check

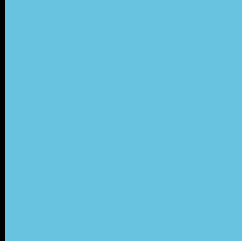
Large Text (above 18pt) WCAG AA × Fail

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 47.2956, 0.2359, 0.2893 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 47.2956, 0.2359, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 47.2956, 0.2359, 0.2893.

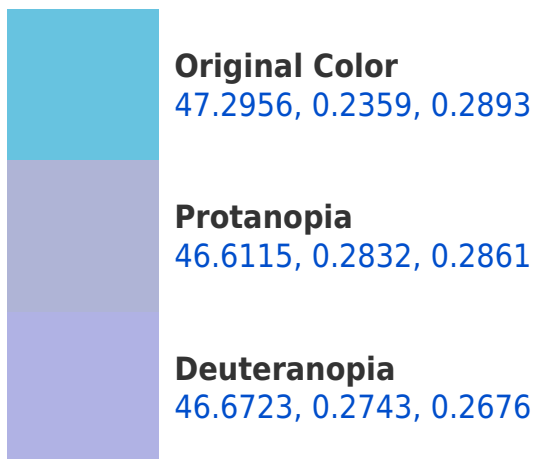


This preview shows how white text looks on a background with the Yxy color 47.2956, 0.2359, 0.2893.

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

47.3892, 0.2400, 0.3064

Trichromacy



Original Color

47.2956, 0.2359, 0.2893

Protanomaly

46.1494, 0.2624, 0.2857

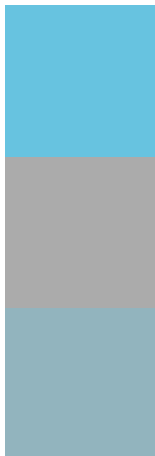
Deuteranomaly

46.2166, 0.2569, 0.2736

Tritanomaly

47.1989, 0.2382, 0.2997

Monochromacy



Original Color

47.2956, 0.2359, 0.2893

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.4712, 0.2778, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2956, 0.2359, 0.2893 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(103, 195, 224)` looks like.

```
.text, #text, p{  
    color:rgb(103, 195, 224)  
}
```

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(103, 195, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 195, 224) }
```

Border

The CSS property to change the border of an element to Yxy 47.2956, 0.2359, 0.2893 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(103, 195, 224) }
```

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

```
.border{ border-color:rgb(103, 195, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 195, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 195, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 195, 224);  
box-shadow:4px 4px 4px 4px rgb(103, 195,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2956, 0.2359, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 195, 224) }
```

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

```
.background{ background-color: rgb(103,  
195, 224) }
```

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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