

Converting Colors

Yxy(67.9615, 0.4461, 0.4660)

Have a look what the booklet for
Yxy(67.9615, 0.4461, 0.4660)
contains.

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Color

Yxy(68.0875, 0.4459, 0.4662)

Conversions

Conversions Part 1

Format	Color
Hex	FFD333
RGB	255, 211, 51
RGB Percent	100%, 83%, 20%
CMY	0.0001, 0.1725, 0.8001
CMYK	0.00, 0.17, 0.80, 0.00
HSL	47°, 100%, 60%
HSV	47°, 80%, 100%
XYZ	65.1227, 68.0875, 12.8376
YIQ	205.9160, 77.5840, -40.4320

Conversions

Conversions Part 2

Format	Color
RYB	107, 255, 51
Decimal	16765747
CIELab	86.05, 0.92, 77.88
CIELCh	86, 77.884, 89.322
Yxy	68.0875, 0.4459, 0.4662
Android (android.graphics.Color)	4294955827 (0xFFFFD333)
YUV	205.9160, -76.3736, 43.0467
Hunter-Lab	82.5152, -3.5255, 48.5363

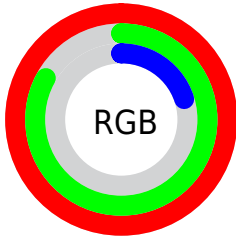
Details

The Yxy color **68.0875, 0.4459, 0.4662** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **16.0909, 0.1727, 0.1183**, and the grayscale version is **62.1244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **35.5833, 0.4577, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **65.2410, 0.4565, 0.4700**, and if you desaturate by 10%, it is **71.1569, 0.4324, 0.4576**.

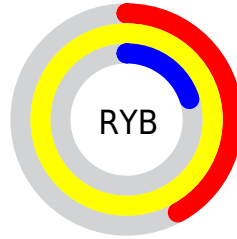
Distribution



Red (100%)

Green (83%)

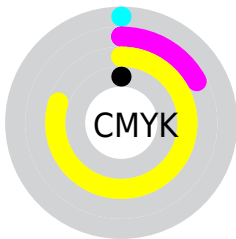
Blue (20%)



Red (42%)

Yellow (100%)

Blue (20%)

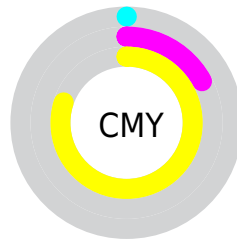


Cyan (0%)

Magenta (17%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0875, 0.4459, 0.4662 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 68.0875, 0.4459, 0.4662 by changing the saturation by 10% instead.


 68.0875, 0.4459,
0.4662


 68.0875, 0.4459,
0.4662

453.8060, 0.3907,
0.4097


 49.9689, 0.4556,
0.4760


 116.4773, 0.4289,
0.4489

 35.3887, 0.4657,
0.4862


 147.5173, 0.4216,
0.4415


 23.9625, 0.4758,
0.4962

 183.6333, 0.4151,
0.4347

 15.3058, 0.4882,
0.5083

 225.2096, 0.4092,
0.4287

 9.0343, 0.4904,
0.5096

 272.6306, 0.4039,
0.4232

 4.7635, 0.4911,
0.5089

326.2807, 0.3991,

 2.1092, 0.4923,

0.4183

0.5077

386.5444, 0.3947,
0.4138

■ 0.6698, 0.4960,
0.5040

■ 0.0000, 0.0000,
0.0000

■ 68.0875, 0.4459,
0.4662

■ 68.0875, 0.4459,
0.4662

■ 65.2410, 0.4565,
0.4700

■ 71.1569, 0.4324,
0.4576

■ 62.5802, 0.4643,
0.4695

■ 74.4579, 0.4165,
0.4446

■ 78.0095, 0.3991,
0.4282

■ 81.8254, 0.3809,
0.4095

■ 85.9181, 0.3627,
0.3894

■ 90.2990, 0.3450,
0.3688

■ 94.9787, 0.3283,
0.3485

99.9670, 0.3127,
0.3290

99.9940, 0.3127,
0.3290

Harmonies

Analogous

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



68.0875, 0.4947, 0.4015



68.0875, 0.4459, 0.4662



68.0875, 0.3664, 0.5060

Triad

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



68.0875, 0.4459, 0.4662



68.0875, 0.1625, 0.2828



68.0875, 0.3261, 0.2242

Complementary

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



68.0875, 0.4459, 0.4662



16.0909, 0.1727, 0.1183

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.



68.0875, 0.2383, 0.1954



68.0875, 0.4459, 0.4662



68.0875, 0.1562, 0.2183

Square

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



68.0875, 0.4459, 0.4662



68.0875, 0.2036, 0.3844



68.0875, 0.1812, 0.1918



68.0875, 0.4240, 0.2735

Rectangle

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



68.0875, 0.4459, 0.4662



68.0875, 0.3070, 0.4978



68.0875, 0.1812, 0.1918



68.0875, 0.2941, 0.2120

Sweetspot

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



68.0908, 0.4459, 0.4662



88.5403, 0.3519, 0.3770



24.4484, 0.5413, 0.2975



18.6188, 0.3583, 0.3843



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.



68.0908, 0.4459, 0.4662



63.6458, 0.4614, 0.4700



83.6317, 0.3733, 0.5254



20.3874, 0.3275, 0.3475



32.9366, 0.4635, 0.4702



3.3642, 0.4574, 0.4750

Inverse Universe

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



16.0909, 0.1727, 0.1183



10.8341, 0.1578, 0.0857



12.8196, 0.1903, 0.0956



18.0120, 0.2979, 0.3098



5.3725, 0.1561, 0.0820



0.6743, 0.1616, 0.1017

Previews

White Background



This preview shows how the Yxy color 68.0875, 0.4459, 0.4662 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 68.0875, 0.4459, 0.4662 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 68.0875, 0.4459, 0.4662

Background



This preview shows how black text looks on a background with the Yxy color 68.0875, 0.4459, 0.4662.



This preview shows how white text looks on a background with the Yxy color 68.0875, 0.4459, 0.4662.

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

68.0875, 0.4459, 0.4662

Protanopia

68.2369, 0.4315, 0.4765

Deuteranopia

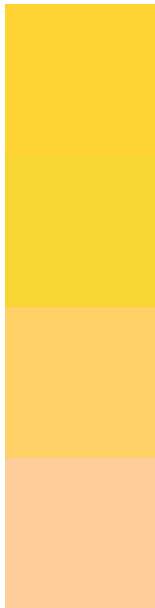
68.0652, 0.4053, 0.4055



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

68.0875, 0.4459, 0.4662

Protanomaly

68.1152, 0.4370, 0.4723

Deuteranomaly

67.8402, 0.4242, 0.4328

Tritanomaly

67.2557, 0.3913, 0.3820

Monochromacy



Original Color

68.0875, 0.4459, 0.4662

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.1611, 0.3677, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0875, 0.4459, 0.4662 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(255, 211, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 51)  
}
```

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(255, 211, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 51) }
```

Border

The CSS property to change the border of an element to Yxy 68.0875, 0.4459, 0.4662 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(255, 211, 51) }
```

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

```
.border{ border-color:rgb(255, 211, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0875, 0.4459, 0.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 51) }
```

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

```
.background{ background-color: rgb(255,  
211, 51) }
```

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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