

Converting Colors

$Y_{xy}(69.0060, 0.4379, 0.4578)$

Have a look what the booklet for
Yxy(69.0060, 0.4379, 0.4578)
contains.

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Color

Yxy(68.8019, 0.4380, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	FFD447
RGB	255, 212, 71
RGB Percent	100%, 83%, 28%
CMY	0.0001, 0.1686, 0.7215
CMYK	0.00, 0.17, 0.72, 0.00
HSL	46°, 100%, 64%
HSV	46°, 72%, 100%
XYZ	65.9126, 68.8019, 15.7709
YIQ	208.7830, 70.8890, -34.7350

Conversions

Conversions Part 2

Format	Color
RYB	127, 255, 71
Decimal	16766023
CIELab	86.41, 1.16, 71.53
CIELCh	86, 71.538, 89.068
Yxy	68.8019, 0.4380, 0.4572
Android (android.graphics.Color)	4294956103 (0xFFFFD447)
YUV	208.7830, -67.9270, 40.5323
Hunter-Lab	82.9469, -3.3146, 46.7899

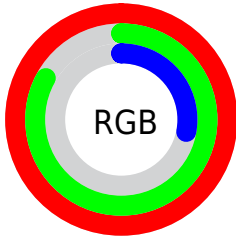
Details

The Yxy color **68.8019, 0.4380, 0.4572** 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 **20.5873, 0.1846, 0.1426**, and the grayscale version is **64.0302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **35.9231, 0.4565, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **65.6214, 0.4516, 0.4645**, and if you desaturate by 10%, it is **72.2361, 0.4219, 0.4454**.

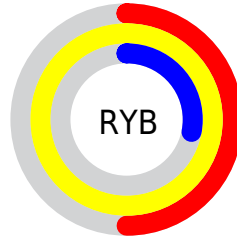
Distribution



Red (100%)

Green (83%)

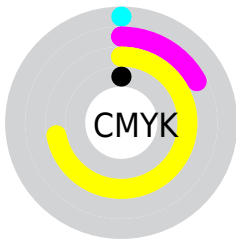
Blue (28%)



Red (50%)

Yellow (100%)

Blue (28%)

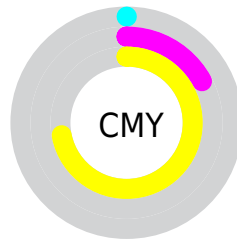


Cyan (0%)

Magenta (17%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8019, 0.4380, 0.4572 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 68.8019, 0.4380, 0.4572 by changing the saturation by 10% instead.


 68.8019, 0.4380,
0.4572

 68.8019, 0.4380,
0.4572


456.3320, 0.3849,
0.4032


 50.5504, 0.4478,
0.4671


 117.4986, 0.4212,
0.4403

 35.8509, 0.4586,
0.4777

 148.7126, 0.4142,
0.4331

 24.3191, 0.4698,
0.4888


 185.0161, 0.4079,
0.4267

 15.5705, 0.4812,
0.4998

 226.7937, 0.4023,
0.4210

 9.2207, 0.4912,
0.5088

 274.4297, 0.3972,
0.4159

 4.8854, 0.4921,
0.5079

328.3085, 0.3927,

 2.1802, 0.4935,

0.4112

0.5065

388.8144, 0.3886,
0.4070

0.7092, 0.4976,
0.5024

0.0000, 0.0000,
0.0000

68.8019, 0.4380,
0.4572

68.8019, 0.4380,
0.4572

65.6214, 0.4516,
0.4645

72.2361, 0.4219,
0.4454

62.6648, 0.4623,
0.4670

75.9304, 0.4041,
0.4299

60.4791, 0.4688,
0.4660

79.9024, 0.3856,
0.4119

84.1653, 0.3669,
0.3923

■ 88.7307, 0.3489,
0.3722

■ 93.6097, 0.3318,
0.3523

■ 98.8125, 0.3159,
0.3330

■ 99.9938, 0.3127,
0.3290

Harmonies

Analogous

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



68.8019, 0.4813, 0.3983



68.8019, 0.4380, 0.4572



68.8019, 0.3649, 0.4910

Triad

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



68.8019, 0.4380, 0.4572



68.8019, 0.1733, 0.2884



68.8019, 0.3247, 0.2312

Complementary

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



68.8019, 0.4380, 0.4572



20.5873, 0.1846, 0.1426

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.



68.8019, 0.2437, 0.2042



68.8019, 0.4380, 0.4572



68.8019, 0.1665, 0.2275

Square

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



68.8019, 0.4380, 0.4572



68.8019, 0.2129, 0.3807



68.8019, 0.1900, 0.2015



68.8019, 0.4141, 0.2776

Rectangle

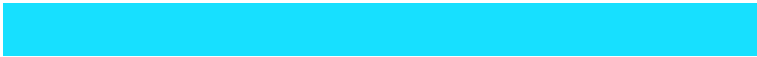
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8019, 0.4380, 0.4572



68.8019, 0.3097, 0.4822



68.8019, 0.1900, 0.2015



68.8019, 0.2954, 0.2198

Sweetspot

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



68.8052, 0.4380, 0.4572



88.8243, 0.3486, 0.3719



27.0481, 0.5003, 0.2898



18.7402, 0.3535, 0.3774



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.



68.8052, 0.4380, 0.4572



64.1771, 0.4572, 0.4663



85.5069, 0.3764, 0.5095



20.3293, 0.3275, 0.3471



31.8505, 0.4678, 0.4668



3.2670, 0.4611, 0.4721

Inverse Universe

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



20.5873, 0.1846, 0.1426



14.0349, 0.1660, 0.1062



15.5103, 0.1985, 0.1114



18.0659, 0.2979, 0.3102



5.6232, 0.1570, 0.0853



0.7057, 0.1627, 0.1056

Previews

White Background



This preview shows how the Yxy color 68.8019, 0.4380, 0.4572 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 68.8019, 0.4380, 0.4572 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 68.8019, 0.4380, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 68.8019, 0.4380, 0.4572.



This preview shows how white text looks on a background with the Yxy color 68.8019, 0.4380, 0.4572.

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

68.8019, 0.4380, 0.4572

Protanopia

68.9708, 0.4238, 0.4669

Deuteranopia

68.7250, 0.4006, 0.4007



Tritanopia

68.8269, 0.3451, 0.3179

Trichromacy



Original Color

68.8019, 0.4380, 0.4572

Protanomaly

68.8429, 0.4292, 0.4629

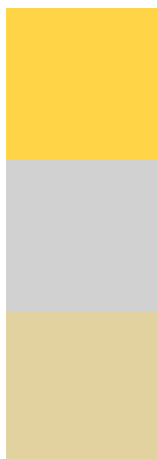
Deuteranomaly

68.5681, 0.4169, 0.4246

Tritanomaly

68.0112, 0.3848, 0.3748

Monochromacy



Original Color

68.8019, 0.4380, 0.4572

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7651, 0.3621, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8019, 0.4380, 0.4572 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, 212, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 71)  
}
```

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, 212, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 71) }
```

Border

The CSS property to change the border of an element to Yxy 68.8019, 0.4380, 0.4572 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, 212, 71) }
```

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

```
.border{ border-color:rgb(255, 212, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8019, 0.4380, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 71) }
```

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

```
.background{ background-color: rgb(255,  
212, 71) }
```

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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