

Converting Colors

Yxy(60.4609, 0.4761, 0.4434)

Have a look what the booklet for
Yxy(60.4609, 0.4761, 0.4434)
contains.

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Color

Yxy(57.8604, 0.4665, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD2F
RGB	255, 189, 47
RGB Percent	100%, 74%, 18%
CMY	0.0000, 0.2588, 0.8154
CMYK	0.00, 0.26, 0.82, 0.00
HSL	41°, 100%, 59%
HSV	41°, 82%, 100%
XYZ	59.9553, 57.8604, 10.7058
YIQ	192.5460, 84.9180, -30.1700

Conversions

Conversions Part 2

Format	Color
RYB	144, 255, 47
Decimal	16760111
CIELab	80.66, 12.17, 74.35
CIELCh	81, 75.336, 80.705
Yxy	57.8604, 0.4665, 0.4502
Android (android.graphics.Color)	4294950191 (0xFFFFBD2F)
YUV	192.5460, -71.7542, 54.7722
Hunter-Lab	76.0660, 7.5783, 44.9015

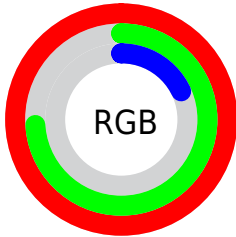
Details

The Yxy color **57.8604, 0.4665, 0.4502** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed orange. A complement of this color would be **19.6555, 0.1772, 0.1385**, and the grayscale version is **53.4447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6054, 0.4013, 0.4596**, and **28.9458, 0.4834, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **54.3256, 0.4808, 0.4513**, and if you desaturate by 10%, it is **61.7110, 0.4491, 0.4440**.

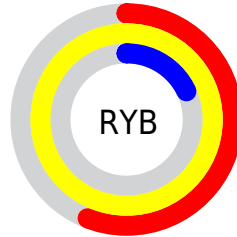
Distribution



Red (100%)

Green (74%)

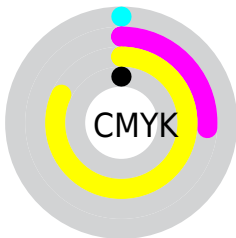
Blue (18%)



Red (56%)

Yellow (100%)

Blue (18%)

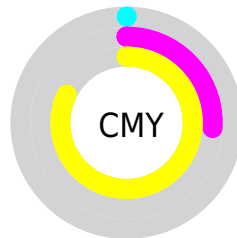


Cyan (0%)

Magenta (26%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8604, 0.4665, 0.4502 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 57.8604, 0.4665, 0.4502 by changing the saturation by 10% instead.

 57.8604, 0.4665,
0.4502


 57.8604, 0.4665,
0.4502

416.6656, 0.3994,
0.4017

 41.6964, 0.4790,
0.4578


 101.7195, 0.4452,
0.4359


 28.8637, 0.4926,
0.4650


 130.1835, 0.4362,
0.4296

 18.9777, 0.5067,
0.4707


 163.5162, 0.4283,
0.4238


 11.6542, 0.5238,
0.4762

 202.1022, 0.4212,
0.4185

 6.5087, 0.5313,
0.4687

 246.3257, 0.4148,
0.4137

 3.1568, 0.5428,
0.4572

 296.5711, 0.4092,

 1.2141, 0.5625,

0.4093

0.4375

353.2230, 0.4040,
0.4053

■ 0.0732, 0.8336,
0.1664

■ 0.0000, 0.0000,
0.0000

■ 57.8604, 0.4665,
0.4502

■ 57.8604, 0.4665,
0.4502

■ 54.3256, 0.4808,
0.4513

■ 61.7110, 0.4491,
0.4440

■ 51.5528, 0.4907,
0.4486

■ 65.8967, 0.4296,
0.4333

■ 70.4362, 0.4089,
0.4191

■ 75.3457, 0.3881,
0.4026

80.6397, 0.3678,
0.3848

86.3318, 0.3487,
0.3666

92.4346, 0.3311,
0.3487

98.9599, 0.3150,
0.3316

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



57.8604, 0.5032, 0.3824



57.8604, 0.4665, 0.4502



57.8604, 0.3920, 0.5028

Triad

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



57.8604, 0.4665, 0.4502



57.8604, 0.1681, 0.3083



57.8604, 0.2980, 0.2116

Complementary

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



57.8604, 0.4665, 0.4502



19.6555, 0.1772, 0.1385

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.



57.8604, 0.2167, 0.1894



57.8604, 0.4665, 0.4502



57.8604, 0.1521, 0.2305

Square

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



57.8604, 0.4665, 0.4502



57.8604, 0.2201, 0.4176



57.8604, 0.1684, 0.1937



57.8604, 0.3988, 0.2564

Rectangle

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



57.8604, 0.4665, 0.4502



57.8604, 0.3326, 0.5098



57.8604, 0.1684, 0.1937



57.8604, 0.2675, 0.2015

Sweetspot

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



57.8611, 0.4665, 0.4502



84.8913, 0.3533, 0.3711



24.5698, 0.5105, 0.2761



17.7338, 0.3601, 0.3776



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.



57.8611, 0.4665, 0.4502



52.1936, 0.4884, 0.4493



86.9958, 0.3901, 0.5150



20.0611, 0.3277, 0.3452



27.2182, 0.4892, 0.4498



2.8469, 0.4792, 0.4577

Inverse Universe

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



19.6555, 0.1772, 0.1385



13.6601, 0.1626, 0.1042



11.0419, 0.1745, 0.0855



18.3187, 0.2979, 0.3123



7.0792, 0.1621, 0.1035



0.8760, 0.1683, 0.1257

Previews

White Background



This preview shows how the Yxy color 57.8604, 0.4665, 0.4502 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 57.8604, 0.4665, 0.4502 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 57.8604, 0.4665, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 57.8604, 0.4665, 0.4502.



This preview shows how white text looks on a background with the Yxy color 57.8604, 0.4665, 0.4502.

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

57.8604, 0.4665, 0.4502

Protanopia

58.0111, 0.4305, 0.4756

Deuteranopia

57.7196, 0.4636, 0.4531



Tritanopia

57.6641, 0.3689, 0.3177

Trichromacy



Original Color

57.8604, 0.4665, 0.4502

Protanomaly

57.9871, 0.4434, 0.4665

Deuteranomaly

57.9068, 0.4644, 0.4526

Tritanomaly

56.9911, 0.4135, 0.3751

Monochromacy



Original Color

57.8604, 0.4665, 0.4502

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.1917, 0.3744, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8604, 0.4665, 0.4502 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, 189, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 47)  
}
```

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, 189, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 47) }
```

Border

The CSS property to change the border of an element to Yxy 57.8604, 0.4665, 0.4502 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, 189, 47) }
```

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

```
.border{ border-color:rgb(255, 189, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 189, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8604, 0.4665, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 47) }
```

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

```
.background{ background-color: rgb(255,  
189, 47) }
```

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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