

Converting Colors

Yxy(57.0331, 0.4670, 0.4469)

Have a look what the booklet for
Yxy(57.0331, 0.4670, 0.4469)
contains.

Yxy(57.0397, 0.4670, 0.4469)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.0397, 0.4670, 0.4469)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB33
RGB	255, 187, 51
RGB Percent	100%, 73%, 20%
CMY	0.0000, 0.2666, 0.8003
CMYK	0.00, 0.27, 0.80, 0.00
HSL	40°, 100%, 60%
HSV	40°, 80%, 100%
XYZ	59.6051, 57.0397, 10.9893
YIQ	191.8280, 84.1840, -27.8800

Conversions

Conversions Part 2

Format	Color
RYB	153, 255, 51
Decimal	16759603
CIELab	80.20, 13.31, 72.75
CIELCh	80, 73.955, 79.631
Yxy	57.0397, 0.4670, 0.4469
Android (android.graphics.Color)	4294949683 (0xFFFFBB33)
YUV	191.8280, -69.4282, 55.4018
Hunter-Lab	75.5246, 8.7067, 44.2402

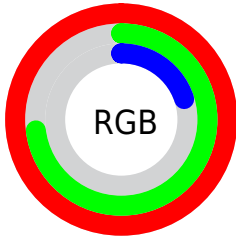
Details

The Yxy color **57.0397, 0.4670, 0.4469** 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 **21.0899, 0.1800, 0.1461**, and the grayscale version is **52.9791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4653, 0.4010, 0.4559**, and **28.3877, 0.4861, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **53.3778, 0.4825, 0.4484**, and if you desaturate by 10%, it is **61.0436, 0.4485, 0.4403**.

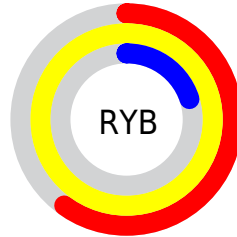
Distribution



Red (100%)

Green (73%)

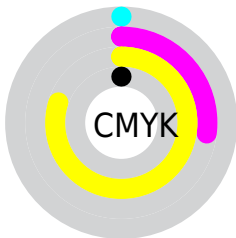
Blue (20%)



Red (60%)

Yellow (100%)

Blue (20%)

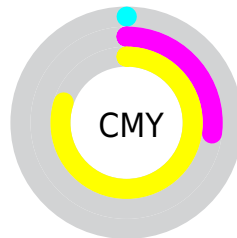


Cyan (0%)

Magenta (27%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0397, 0.4670, 0.4469 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 57.0397, 0.4670, 0.4469 by changing the saturation by 10% instead.


 57.0397, 0.4670,
0.4469

 57.0397, 0.4670,
0.4469


413.5981, 0.3991,
0.3996

 41.0371, 0.4799,
0.4543


 100.5231, 0.4452,
0.4330


 28.3481, 0.4940,
0.4613


 128.7727, 0.4362,
0.4268


 18.5882, 0.5088,
0.4669


 161.8735, 0.4281,
0.4211

 11.3731, 0.5274,
0.4726

 200.2098, 0.4210,
0.4160

 6.3184, 0.5358,
0.4642

 244.1660, 0.4146,
0.4113

 3.0396, 0.5485,
0.4515

294.1265, 0.4089,

 1.1525, 0.5704,

0.4070

0.4296

350.4757, 0.4037,
0.4032

■ 0.0224, 0.9393,
0.0607

■ 0.0000, 0.0000,
0.0000

■ 57.0397, 0.4670,
0.4469

■ 57.0397, 0.4670,
0.4469

■ 53.3778, 0.4825,
0.4484

■ 61.0436, 0.4485,
0.4403

■ 50.0278, 0.4950,
0.4452

■ 65.4021, 0.4281,
0.4293

■ 70.1364, 0.4068,
0.4149

■ 75.2627, 0.3856,
0.3985

80.7960, 0.3652,
0.3809

86.7500, 0.3461,
0.3631

93.1378, 0.3286,
0.3457

99.9713, 0.3128,
0.3291

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



57.0397, 0.5011, 0.3798



57.0397, 0.4670, 0.4469



57.0397, 0.3944, 0.4995

Triad

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



57.0397, 0.4670, 0.4469



57.0397, 0.1709, 0.3123



57.0397, 0.2949, 0.2117

Complementary

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



57.0397, 0.4670, 0.4469



21.0899, 0.1800, 0.1461

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.



57.0397, 0.2156, 0.1905



57.0397, 0.4670, 0.4469



57.0397, 0.1538, 0.2339

Square

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



57.0397, 0.4670, 0.4469



57.0397, 0.2239, 0.4202



57.0397, 0.1689, 0.1959



57.0397, 0.3942, 0.2554

Rectangle

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



57.0397, 0.4670, 0.4469



57.0397, 0.3359, 0.5077



57.0397, 0.1689, 0.1959



57.0397, 0.2651, 0.2019

Sweetspot

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



57.0426, 0.4670, 0.4469



84.3414, 0.3535, 0.3702



24.9494, 0.5053, 0.2756



17.6009, 0.3604, 0.3765



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.



57.0426, 0.4670, 0.4469



51.3433, 0.4902, 0.4468



87.1244, 0.3898, 0.5133



20.0113, 0.3277, 0.3448



26.4277, 0.4934, 0.4464



2.7742, 0.4828, 0.4549

Inverse Universe

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



21.0899, 0.1800, 0.1461



14.8965, 0.1650, 0.1118



11.5073, 0.1766, 0.0885



18.3663, 0.2979, 0.3127



7.4067, 0.1632, 0.1075



0.9124, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 57.0397, 0.4670, 0.4469 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 57.0397, 0.4670, 0.4469 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 57.0397, 0.4670, 0.4469

Background



This preview shows how black text looks on a background with the Yxy color 57.0397, 0.4670, 0.4469.



This preview shows how white text looks on a background with the Yxy color 57.0397, 0.4670, 0.4469.

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

57.0397, 0.4670, 0.4469

Protanopia

57.4222, 0.4291, 0.4733

Deuteranopia

56.9495, 0.4616, 0.4517



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

57.0397, 0.4670, 0.4469

Protanomaly

56.9494, 0.4429, 0.4635

Deuteranomaly

56.8922, 0.4641, 0.4497

Tritanomaly

56.1718, 0.4146, 0.3731

Monochromacy



Original Color

57.0397, 0.4670, 0.4469

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.1971, 0.3735, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0397, 0.4670, 0.4469 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, 187, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 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, 187, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 51) }
```

Border

The CSS property to change the border of an element to Yxy 57.0397, 0.4670, 0.4469 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, 187, 51) }
```

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

```
.border{ border-color:rgb(255, 187, 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, 187, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0397, 0.4670, 0.4469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 51) }
```

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

```
.background{ background-color: rgb(255,  
187, 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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