

Converting Colors

Yxy(57.1280, 0.4713, 0.4607)

Have a look what the booklet for
Yxy(57.1280, 0.4713, 0.4607)
contains.

Yxy(57.1280, 0.4713, 0.4607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.1280, 0.4713, 0.4607)

Conversions

Conversions Part 1

Format	Color
Hex	FCBD10
RGB	252, 189, 16
RGB Percent	99%, 74%, 6%
CMY	0.0117, 0.2588, 0.9377
CMYK	0.00, 0.25, 0.94, 0.01
HSL	44°, 98%, 53%
HSV	44°, 94%, 99%
XYZ	58.4424, 57.1280, 8.4322
YIQ	188.1150, 93.0810, -40.4470

Conversions

Conversions Part 2

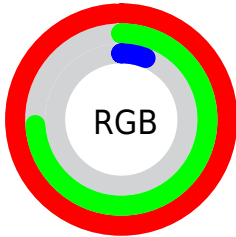
Format	Color
R _Y B	102, 252, 16
Decimal	16563472
CIE Lab	80.25, 10.30, 80.70
CIE LCh	80, 81.356, 82.729
Yxy	57.1280, 0.4713, 0.4607
Android (android.graphics.Color)	4294753552 (0xFFFCBD10)
YUV	188.1150, -84.8527, 56.0271
Hunter-Lab	75.5831, 5.7496, 46.2937

Details

The Yxy color **57.1280, 0.4713, 0.4607** 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 **12.7207, 0.1623, 0.1003**, and the grayscale version is **50.8065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2694, 0.4089, 0.4717**, and **28.5555, 0.4805, 0.4567** is the 20% darker color. If you saturate the color by 10%, you get **55.2946, 0.4772, 0.4593**, and if you desaturate by 10%, it is **60.2162, 0.4598, 0.4596**.

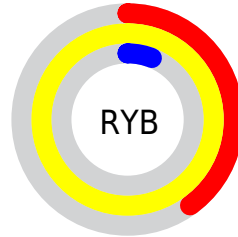
Distribution



Red (99%)

Green (74%)

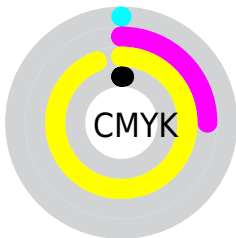
Blue (6%)



Red (40%)

Yellow (99%)

Blue (6%)

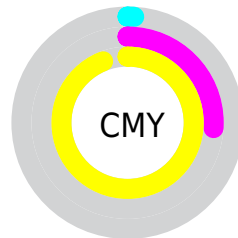


Cyan (0%)

Magenta (25%)

Yellow (94%)

Black (1%)



Cyan (1%)


Magenta (26%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1280, 0.4713, 0.4607 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 57.1280, 0.4713, 0.4607 by changing the saturation by 10% instead.


 57.1280, 0.4713,
0.4607

 57.1280, 0.4713,
0.4607


413.9288, 0.4040,
0.4091

 41.1080, 0.4830,
0.4682


 100.6519, 0.4505,
0.4460


 28.4035, 0.4952,
0.4750


 128.9247, 0.4416,
0.4392


 18.6300, 0.5084,
0.4809


 162.0504, 0.4336,
0.4330

 11.4033, 0.5185,
0.4815

 200.4137, 0.4264,
0.4273

 6.3388, 0.5250,
0.4750

 244.3987, 0.4199,
0.4221

 3.0521, 0.5351,
0.4649

 294.3900, 0.4141,

 1.1590, 0.5524,

0.4174

0.4476

350.7719, 0.4088,
0.4131

■ 0.0278, 0.9089,
0.0911

■ 0.0000, 0.0000,
0.0000

■ 57.1280, 0.4713,
0.4607

■ 57.1280, 0.4713,
0.4607


■ 55.2946, 0.4772,
0.4593

■ 60.2162, 0.4598,
0.4596


■ 63.5501, 0.4452,
0.4536

■ 67.1527, 0.4281,
0.4429


■ 71.0410, 0.4094,
0.4285

 75.2299, 0.3900,
0.4114

 79.7326, 0.3707,
0.3927

 84.5613, 0.3520,
0.3734

 89.7274, 0.3345,
0.3542

 95.2414, 0.3183,
0.3356

Harmonies

Analogous

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



57.1280, 0.5163, 0.3879



57.1280, 0.4713, 0.4607



57.1280, 0.3889, 0.5183

Triad

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



57.1280, 0.4713, 0.4607



57.1280, 0.1557, 0.2981



57.1280, 0.3032, 0.2065

Complementary

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



57.1280, 0.4713, 0.4607



12.7207, 0.1623, 0.1003

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.



57.1280, 0.2145, 0.1812



57.1280, 0.4713, 0.4607



57.1280, 0.1422, 0.2186

Square

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



57.1280, 0.4713, 0.4607



57.1280, 0.2074, 0.4175



57.1280, 0.1615, 0.1833



57.1280, 0.4128, 0.2548

Rectangle

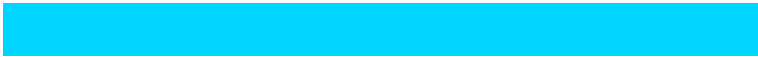
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.1280, 0.4713, 0.4607



57.1280, 0.3252, 0.5250



57.1280, 0.1615, 0.1833



57.1280, 0.2699, 0.1952

Sweetspot

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



57.1309, 0.4713, 0.4607



84.6610, 0.3600, 0.3818



21.6893, 0.5684, 0.2943



17.6673, 0.3681, 0.3901



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.



57.1309, 0.4713, 0.4607



56.7721, 0.4772, 0.4593



82.0728, 0.3822, 0.5321



19.3609, 0.3275, 0.3463



29.0524, 0.4760, 0.4602



2.8649, 0.4677, 0.4669

Inverse Universe

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



12.7207, 0.1623, 0.1003



11.3624, 0.1582, 0.0893



8.5929, 0.1654, 0.0708



17.3965, 0.2979, 0.3111



5.9741, 0.1589, 0.0921



0.7197, 0.1652, 0.1145

Previews

White Background



This preview shows how the Yxy color 57.1280, 0.4713, 0.4607 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 57.1280, 0.4713, 0.4607 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 57.1280, 0.4713, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 57.1280, 0.4713, 0.4607.



This preview shows how white text looks on a background with the Yxy color 57.1280, 0.4713, 0.4607.

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

57.1280, 0.4713, 0.4607

Protanopia

57.3702, 0.4384, 0.4851

Deuteranopia

57.1280, 0.4713, 0.4607



Tritanopia

57.2179, 0.3701, 0.3177

Trichromacy



Original Color

57.1280, 0.4713, 0.4607

Protanomaly

57.1890, 0.4506, 0.4761

Deuteranomaly

57.1280, 0.4713, 0.4607

Tritanomaly

56.4701, 0.4226, 0.3872

Monochromacy



Original Color

57.1280, 0.4713, 0.4607

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.2960, 0.3835, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1280, 0.4713, 0.4607 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(252, 189, 16)` looks like.

```
.text, #text, p{  
    color:rgb(252, 189, 16)  
}
```

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(252, 189, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 189, 16) }
```

Border

The CSS property to change the border of an element to Yxy 57.1280, 0.4713, 0.4607 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(252, 189, 16) }
```

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

```
.border{ border-color:rgb(252, 189, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 189, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 189, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 189, 16);  
box-shadow:4px 4px 4px 4px rgb(252, 189,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1280, 0.4713, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 189, 16) }
```

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

```
.background{ background-color: rgb(252,  
189, 16) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor