

Converting Colors

Yxy(58.7867, 0.4632, 0.4503)

Have a look what the booklet for
Yxy(58.7867, 0.4632, 0.4503)
contains.

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Color

Yxy(58.7606, 0.4633, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	FFBF33
RGB	255, 191, 51
RGB Percent	100%, 75%, 20%
CMY	0.0000, 0.2510, 0.7999
CMYK	0.00, 0.25, 0.80, 0.00
HSL	41°, 100%, 60%
HSV	41°, 80%, 100%
XYZ	60.4704, 58.7606, 11.2901
YIQ	194.1760, 83.0840, -29.9720

Conversions

Conversions Part 2

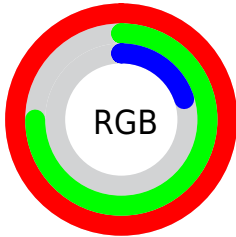
Format	Color
R_{YB}	144, 255, 51
Decimal	16760627
CIE _{Lab}	81.16, 11.24, 73.56
CIE _{LCh}	81, 74.411, 81.309
Yxy	58.7606, 0.4633, 0.4502
Android (android.graphics.Color)	4294950707 (0xFFFFBF33)
YUV	194.1760, -70.5858, 53.3426
Hunter-Lab	76.6555, 6.6644, 44.9264

Details

The Yxy color **58.7606, 0.4633, 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 **20.1931, 0.1788, 0.1413**, and the grayscale version is **54.4510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8857, 0.3989, 0.4589**, and **29.5144, 0.4807, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **55.2007, 0.4780, 0.4521**, and if you desaturate by 10%, it is **62.6383, 0.4457, 0.4432**.

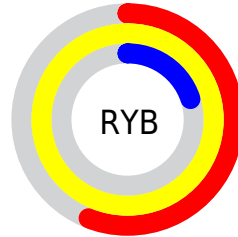
Distribution



Red (100%)

Green (75%)

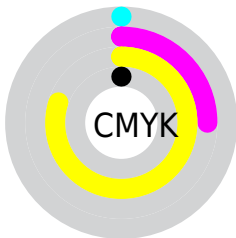
Blue (20%)



Red (56%)

Yellow (100%)

Blue (20%)

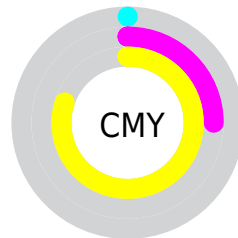


Cyan (0%)

Magenta (25%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7606, 0.4633, 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 58.7606, 0.4633, 0.4502 by changing the saturation by 10% instead.


 58.7606, 0.4633,
0.4502

 58.7606, 0.4633,
0.4502


420.0142, 0.3976,
0.4013

 42.4204, 0.4756,
0.4580


 103.0296, 0.4424,
0.4357


 29.4306, 0.4890,
0.4657


 131.7273, 0.4336,
0.4293

 19.4068, 0.5030,
0.4721


 165.3129, 0.4258,
0.4234

 11.9646, 0.5208,
0.4792

 204.1709, 0.4189,
0.4181

 6.7196, 0.5276,
0.4724

 248.6856, 0.4127,
0.4133

 3.2874, 0.5381,
0.4619

299.2415, 0.4071,


 1.2835, 0.5558,

0.4089


0.4442


356.2228, 0.4021,
0.4049


 0.1284, 0.7554,
0.2446


 0.0000, 0.0000,
0.0000


 58.7606, 0.4633,
0.4502


 58.7606, 0.4633,
0.4502


 55.2007, 0.4780,
0.4521

 62.6383, 0.4457,
0.4432

 51.9208, 0.4897,
0.4494

 66.8483, 0.4260,
0.4318

 51.9166, 0.4897,
0.4494

 71.4104, 0.4054,
0.4171

 76.3403, 0.3847,
0.4002

■ 81.6522, 0.3647,
0.3822

■ 87.3595, 0.3459,
0.3640

■ 93.4746, 0.3285,
0.3461

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.



58.7606, 0.5000, 0.3835



58.7606, 0.4633, 0.4502



58.7606, 0.3895, 0.5007

Triad

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



58.7606, 0.4633, 0.4502



58.7606, 0.1695, 0.3069



58.7606, 0.3002, 0.2139

Complementary

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



58.7606, 0.4633, 0.4502



20.1931, 0.1788, 0.1413

Split Complementary

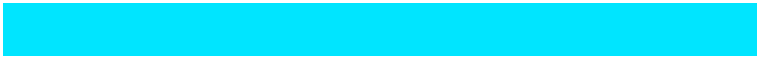
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.7606, 0.2195, 0.1914



58.7606, 0.4633, 0.4502



58.7606, 0.1543, 0.2311

Square

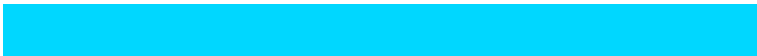
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.7606, 0.4633, 0.4502



58.7606, 0.2204, 0.4138



58.7606, 0.1710, 0.1953



58.7606, 0.3993, 0.2586

Rectangle

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



58.7606, 0.4633, 0.4502



58.7606, 0.3309, 0.5061



58.7606, 0.1710, 0.1953



58.7606, 0.2701, 0.2037

Sweetspot

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



58.7626, 0.4633, 0.4502



85.0207, 0.3533, 0.3713



24.8828, 0.5104, 0.2788



17.7651, 0.3600, 0.3778



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.



58.7626, 0.4633, 0.4502



53.1995, 0.4852, 0.4509



86.6041, 0.3874, 0.5150



20.0728, 0.3277, 0.3453



27.4069, 0.4882, 0.4506



2.8643, 0.4784, 0.4584

Inverse Universe

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



20.1931, 0.1788, 0.1413



14.1036, 0.1637, 0.1069



11.6863, 0.1784, 0.0895



18.3076, 0.2979, 0.3122



7.0050, 0.1619, 0.1026



0.8677, 0.1680, 0.1248

Previews

White Background



This preview shows how the Yxy color 58.7606, 0.4633, 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 58.7606, 0.4633, 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 58.7606, 0.4633, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 58.7606, 0.4633, 0.4502.



This preview shows how white text looks on a background with the Yxy color 58.7606, 0.4633, 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

58.7606, 0.4633, 0.4502

Protanopia

58.8383, 0.4300, 0.4732

Deuteranopia

59.0091, 0.4616, 0.4516



Tritanopia

58.5662, 0.3667, 0.3177

Trichromacy



Original Color

58.7606, 0.4633, 0.4502

Protanomaly

58.6497, 0.4420, 0.4649

Deuteranomaly

59.0091, 0.4616, 0.4516

Tritanomaly

57.8810, 0.4108, 0.3751

Monochromacy



Original Color

58.7606, 0.4633, 0.4502

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.6919, 0.3724, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7606, 0.4633, 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, 191, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 51) }
```

Border

The CSS property to change the border of an element to Yxy 58.7606, 0.4633, 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, 191, 51) }
```

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

```
.border{ border-color:rgb(255, 191, 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, 191, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7606, 0.4633, 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, 191, 51) }
```

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

```
.background{ background-color: rgb(255,  
191, 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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