

Converting Colors

$Yxy(50.0337, 0.4770, 0.4595)$

Have a look what the booklet for
Yxy(50.0337, 0.4770, 0.4595)
contains.

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Color

Yxy(50.1451, 0.4767, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	F1B100
RGB	241, 177, 0
RGB Percent	95%, 69%, 0%
CMY	0.0549, 0.3059, 1.0000
CMYK	0.00, 0.27, 1.00, 0.05
HSL	44°, 100%, 47%
HSV	44°, 100%, 95%
XYZ	51.9995, 50.1451, 6.9376
YIQ	175.9580, 94.9610, -41.4790

Conversions

Conversions Part 2

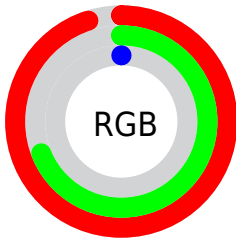
Format	Color
R_{YB}	87, 241, 0
Decimal	15839488
CIE _{Lab}	76.16, 11.70, 79.01
CIE _{LCh}	76, 79.874, 81.574
Yxy	50.1451, 0.4767, 0.4597
Android (android.graphics.Color)	4294029568 (0xFFFF1B100)
YUV	175.9580, -86.7473, 57.0418
Hunter-Lab	70.8132, 7.1529, 43.7606

Details

The Yxy color **50.1451, 0.4767, 0.4597** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **10.0183, 0.1582, 0.0895**, and the grayscale version is **43.8190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5673, 0.4198, 0.4666**, and **24.2509, 0.4847, 0.4534** is the 20% darker color. If you saturate the color by 10%, you get **50.1476, 0.4767, 0.4597**, and if you desaturate by 10%, it is **52.8021, 0.4669, 0.4611**.

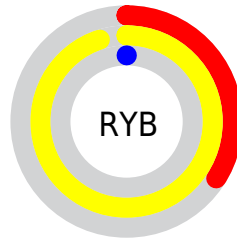
Distribution



Red (95%)

Green (69%)

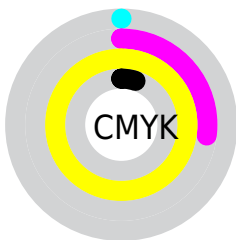
Blue (0%)



Red (34%)

Yellow (95%)

Blue (0%)

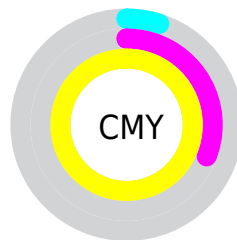


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1451, 0.4767, 0.4597 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 50.1451, 0.4767, 0.4597 by changing the saturation by 10% instead.


 50.1451, 0.4767,
0.4597


 50.1451, 0.4767,
0.4597


387.2331, 0.4055,
0.4082


 35.5287, 0.4892,
0.4669


 90.3898, 0.4546,
0.4452


 24.0704, 0.5021,
0.4729


 116.7869, 0.4451,
0.4384


 15.3859, 0.5187,
0.4800


 147.8798, 0.4366,
0.4322

 9.0906, 0.5253,
0.4747

 184.0527, 0.4290,
0.4265

 4.8004, 0.5341,
0.4659

 225.6901, 0.4222,
0.4213

 2.1306, 0.5479,
0.4521

 273.1763, 0.4161,

 0.6818, 0.5789,

0.4165

0.4211

326.8959, 0.4105,
0.4121

■ 0.0000, 0.0000,
0.0000

■ 50.1451, 0.4767,
0.4597

■ 50.1451, 0.4767,
0.4597

■ 50.1476, 0.4767,
0.4597

■ 52.8021, 0.4669,
0.4611

■ 55.6591, 0.4542,
0.4581

■ 58.7459, 0.4387,
0.4502

■ 62.0793, 0.4210,
0.4379

■ 65.6736, 0.4020,
0.4224

■ 69.5415, 0.3826,
0.4046

■ 73.6946, 0.3635,
0.3856

■ 78.1435, 0.3453,
0.3662

■ 82.8980, 0.3283,
0.3472

Harmonies

Analogous

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



50.1451, 0.5213, 0.3852



50.1451, 0.4767, 0.4597



50.1451, 0.3933, 0.5210

Triad

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



50.1451, 0.4767, 0.4597



50.1451, 0.1538, 0.3010



50.1451, 0.2987, 0.2026

Complementary

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



50.1451, 0.4767, 0.4597



10.0183, 0.1582, 0.0895

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.



50.1451, 0.2095, 0.1780



50.1451, 0.4767, 0.4597



50.1451, 0.1389, 0.2181

Square

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



50.1451, 0.4767, 0.4597



50.1451, 0.2076, 0.4248



50.1451, 0.1573, 0.1810



50.1451, 0.4110, 0.2509

Rectangle

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



50.1451, 0.4767, 0.4597



50.1451, 0.3285, 0.5311



50.1451, 0.1573, 0.1810



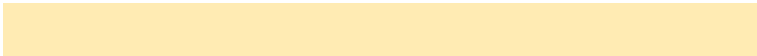
50.1451, 0.2651, 0.1915

Sweetspot

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



50.1476, 0.4767, 0.4597



83.7306, 0.3637, 0.3858



19.0751, 0.5916, 0.3033



17.4861, 0.3717, 0.3939



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.



50.1476, 0.4767, 0.4597



56.9201, 0.4769, 0.4595



73.2002, 0.3779, 0.5381



17.7074, 0.3275, 0.3463



27.4250, 0.4755, 0.4606



2.4435, 0.4665, 0.4678

Inverse Universe

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



10.0183, 0.1582, 0.0895



11.3203, 0.1581, 0.0890



7.1988, 0.1616, 0.0664



15.9114, 0.2980, 0.3111



5.6203, 0.1589, 0.0921



0.6253, 0.1659, 0.1171

Previews

White Background



This preview shows how the Yxy color 50.1451, 0.4767, 0.4597 looks on a white background.

Color Contrast Check

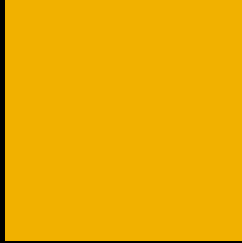
Large Text (above 18pt) WCAG AA × Fail

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 50.1451, 0.4767, 0.4597 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 50.1451, 0.4767, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 50.1451, 0.4767, 0.4597.



This preview shows how white text looks on a background with the Yxy color 50.1451, 0.4767, 0.4597.

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

50.1451, 0.4767, 0.4597

Protanopia

50.4239, 0.4385, 0.4867

Deuteranopia

50.0179, 0.4732, 0.4625



Tritanopia

50.2243, 0.3808, 0.3163

Trichromacy



Original Color

50.1451, 0.4767, 0.4597

Protanomaly

50.4056, 0.4525, 0.4769

Deuteranomaly

50.1915, 0.4740, 0.4618

Tritanomaly

49.1610, 0.4360, 0.3885

Monochromacy



Original Color

50.1451, 0.4767, 0.4597

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4999, 0.3897, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1451, 0.4767, 0.4597 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(241, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 177, 0)  
}
```

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(241, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 177, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.1451, 0.4767, 0.4597 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(241, 177, 0) }
```

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

```
.border{ border-color:rgb(241, 177, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 177, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 177,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1451, 0.4767, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 177, 0) }
```

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

```
.background{ background-color: rgb(241,  
177, 0) }
```

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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