

Converting Colors

$Y_{xy}(50.3600, 0.4761, 0.4575)$

Have a look what the booklet for
Yxy(50.3600, 0.4761, 0.4575)
contains.

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Color

Yxy(50.3481, 0.4762, 0.4575)

Conversions

Conversions Part 1

Format	Color
Hex	F2B10C
RGB	242, 177, 12
RGB Percent	95%, 69%, 5%
CMY	0.0510, 0.3059, 0.9538
CMYK	0.00, 0.27, 0.95, 0.05
HSL	43°, 91%, 50%
HSV	43°, 95%, 95%
XYZ	52.4060, 50.3481, 7.2963
YIQ	177.6250, 91.7050, -37.5350

Conversions

Conversions Part 2

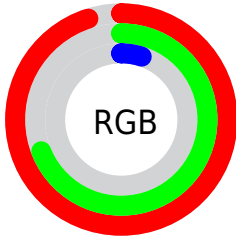
Format	Color
RYB	103, 242, 12
Decimal	15905036
CIELab	76.28, 12.23, 77.87
CIElCh	76, 78.827, 81.074
Yxy	50.3481, 0.4762, 0.4575
Android (android.graphics.Color)	4294095116 (0xFFFF2B10C)
YUV	177.6250, -81.6531, 56.4569
Hunter-Lab	70.9564, 7.6605, 43.5728

Details

The Yxy color **50.3481, 0.4762, 0.4575** 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 **11.7639, 0.1624, 0.1015**, and the grayscale version is **44.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6291, 0.4182, 0.4642**, and **24.3705, 0.4857, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **49.0267, 0.4811, 0.4562**, and if you desaturate by 10%, it is **53.2190, 0.4645, 0.4574**.

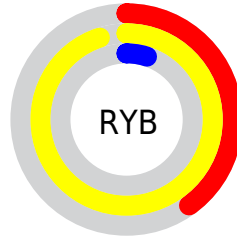
Distribution



Red (95%)

Green (69%)

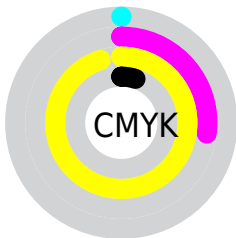
Blue (5%)



Red (40%)

Yellow (95%)

Blue (5%)

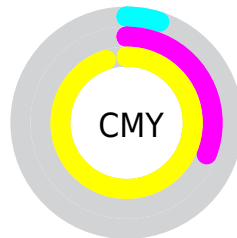


Cyan (0%)

Magenta (27%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (31%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3481, 0.4762, 0.4575 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 50.3481, 0.4762, 0.4575 by changing the saturation by 10% instead.


 50.3481, 0.4762,
0.4575


 50.3481, 0.4762,
0.4575


388.0257, 0.4049,
0.4067

 35.6901, 0.4889,
0.4646


 90.6904, 0.4539,
0.4431


 24.1949, 0.5022,
0.4707


 117.1435, 0.4444,
0.4364

 15.4783, 0.5185,
0.4773


 148.2971, 0.4359,
0.4303

 9.1557, 0.5269,
0.4731

 184.5355, 0.4283,
0.4247

 4.8429, 0.5360,
0.4640

 226.2431, 0.4215,
0.4195

 2.1554, 0.5503,
0.4497

 273.8045, 0.4154,

 0.6955, 0.5812,

0.4149

0.4188

327.6038, 0.4098,
0.4106

■ 0.0000, 0.0000,
0.0000

■ 50.3481, 0.4762,
0.4575

■ 50.3481, 0.4762,
0.4575

■ 49.0267, 0.4811,
0.4562

■ 53.2190, 0.4645,
0.4574

■ 56.3241, 0.4496,
0.4522

■ 59.6851, 0.4322,
0.4424

■ 63.3180, 0.4132,
0.4287

■ 67.2367, 0.3934,
0.4122

■ 71.4538, 0.3737,
0.3940

■ 75.9806, 0.3548,
0.3752

■ 80.8278, 0.3370,
0.3563

■ 86.0054, 0.3206,
0.3380

Harmonies

Analogous

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



50.3481, 0.5190, 0.3840



50.3481, 0.4762, 0.4575



50.3481, 0.3944, 0.5179

Triad

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



50.3481, 0.4762, 0.4575



50.3481, 0.1562, 0.3035



50.3481, 0.2972, 0.2034

Complementary

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



50.3481, 0.4762, 0.4575



11.7639, 0.1624, 0.1015

Split Complementary

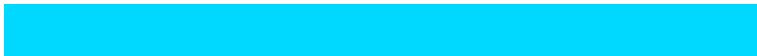
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.3481, 0.2097, 0.1794



50.3481, 0.4762, 0.4575



50.3481, 0.1407, 0.2206

Square

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



50.3481, 0.4762, 0.4575



50.3481, 0.2103, 0.4254



50.3481, 0.1584, 0.1830



50.3481, 0.4078, 0.2510

Rectangle

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



50.3481, 0.4762, 0.4575



50.3481, 0.3304, 0.5282



50.3481, 0.1584, 0.1830



50.3481, 0.2642, 0.1926

Sweetspot

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



50.3506, 0.4762, 0.4575



83.5138, 0.3622, 0.3826



19.6712, 0.5721, 0.2955



17.4122, 0.3703, 0.3907



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.



50.3506, 0.4762, 0.4575



55.1310, 0.4813, 0.4561



74.7537, 0.3820, 0.5329



17.6608, 0.3275, 0.3459



26.5804, 0.4798, 0.4572



2.3790, 0.4700, 0.4650

Inverse Universe

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



11.7639, 0.1624, 0.1015



11.8535, 0.1591, 0.0926



7.6818, 0.1642, 0.0696



15.9553, 0.2980, 0.3115



5.8850, 0.1599, 0.0958



0.6523, 0.1670, 0.1212

Previews

White Background



This preview shows how the Yxy color 50.3481, 0.4762, 0.4575 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 50.3481, 0.4762, 0.4575 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 50.3481, 0.4762, 0.4575

Background



This preview shows how black text looks on a background with the Yxy color 50.3481, 0.4762, 0.4575.



This preview shows how white text looks on a background with the Yxy color 50.3481, 0.4762, 0.4575.

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

50.3481, 0.4762, 0.4575

Protanopia

50.5850, 0.4388, 0.4852

Deuteranopia

50.4327, 0.4714, 0.4624



Tritanopia

50.4086, 0.3817, 0.3164

Trichromacy



Original Color

50.3481, 0.4762, 0.4575

Protanomaly

50.5826, 0.4525, 0.4750

Deuteranomaly

50.2112, 0.4730, 0.4606

Tritanomaly

49.4344, 0.4335, 0.3843

Monochromacy



Original Color

50.3481, 0.4762, 0.4575

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.5663, 0.3847, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3481, 0.4762, 0.4575 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(242, 177, 12)` looks like.

```
.text, #text, p{  
    color:rgb(242, 177, 12)  
}
```

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(242, 177, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 177, 12) }
```

Border

The CSS property to change the border of an element to Yxy 50.3481, 0.4762, 0.4575 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(242, 177, 12) }
```

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

```
.border{ border-color:rgb(242, 177, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 177, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 177, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 177, 12);  
box-shadow:4px 4px 4px 4px rgb(242, 177,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3481, 0.4762, 0.4575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 177, 12) }
```

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

```
.background{ background-color: rgb(242,  
177, 12) }
```

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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