

Converting Colors

$Yxy(45.5156, 0.4068, 0.4655)$

Have a look what the booklet for
Yxy(45.5156, 0.4068, 0.4655)
contains.

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Color

Yxy(45.5156, 0.4068, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	C0B746
RGB	192, 183, 70
RGB Percent	75%, 72%, 27%
CMY	0.2471, 0.2823, 0.7254
CMYK	0.00, 0.05, 0.64, 0.25
HSL	56°, 49%, 51%
HSV	56°, 64%, 75%
XYZ	39.7760, 45.5156, 12.4862
YIQ	172.8090, 41.6370, -33.2350

Conversions

Conversions Part 2

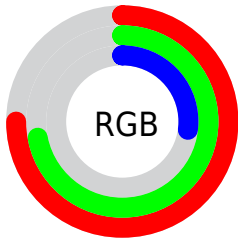
Format	Color
RYB	80, 192, 70
Decimal	12629830
CIELab	73.23, -10.62, 56.68
CIELCh	73, 57.664, 100.612
Yxy	45.5156, 0.4068, 0.4655
Android (android.graphics.Color)	4290819910 (0xFFC0B746)
YUV	172.8090, -50.6848, 16.8305
Hunter-Lab	67.4653, -12.8245, 36.2525

Details

The Yxy color **45.5156, 0.4068, 0.4655** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **10.7009, 0.1935, 0.1395**, and the grayscale version is **41.9355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6723, 0.3930, 0.4430**, and **21.1315, 0.4241, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **44.7322, 0.4173, 0.4789**, and if you desaturate by 10%, it is **46.3866, 0.3941, 0.4483**.

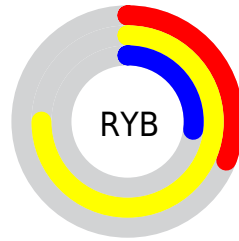
Distribution



Red (75%)

Green (72%)

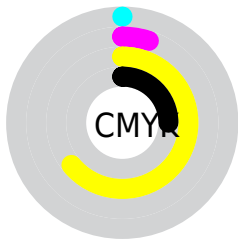
Blue (27%)



Red (31%)

Yellow (75%)

Blue (27%)

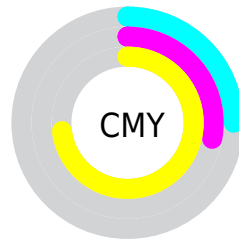


Cyan (0%)

Magenta (5%)

Yellow (64%)

Black (25%)



Cyan (25%)


Magenta (28%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5156, 0.4068, 0.4655 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 45.5156, 0.4068, 0.4655 by changing the saturation by 10% instead.


 45.5156, 0.4068,
0.4655


 45.5156, 0.4068,
0.4655


368.8578, 0.3640,
0.3993


 31.8637, 0.4151,
0.4802


 83.4936, 0.3928,
0.4426


 21.2574, 0.4241,
0.4974


 108.5885, 0.3871,
0.4336

 13.3123, 0.4329,
0.5174


 138.2666, 0.3820,
0.4258

 7.6440, 0.4476,
0.5493

 172.9121, 0.3775,
0.4191

 3.8680, 0.4390,
0.5610

 212.9097, 0.3736,
0.4132

 1.6000, 0.4219,
0.5781

258.6435, 0.3700,

 0.3576, 0.1840,

0.4080

0.8160

310.4981, 0.3669,
0.4034

0.0000, 0.0000,
0.0000

45.5156, 0.4068,
0.4655

45.5156, 0.4068,
0.4655

44.7322, 0.4173,
0.4789

46.3866, 0.3941,
0.4483

44.0224, 0.4252,
0.4881

47.3455, 0.3798,
0.4282

43.3789, 0.4305,
0.4930

48.4004, 0.3644,
0.4061

42.9864, 0.4329,
0.4945

49.5569, 0.3487,
0.3830

50.8197, 0.3330,
0.3597

■ 52.1938, 0.3179,
0.3369

■ 53.6833, 0.3035,
0.3150

■ 55.2925, 0.2901,
0.2944

■ 57.0252, 0.2778,
0.2752

Harmonies

Analogous

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



45.5156, 0.4594, 0.4178



45.5156, 0.4068, 0.4655



45.5156, 0.3330, 0.4768

Triad

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



45.5156, 0.4068, 0.4655



45.5156, 0.1760, 0.2661



45.5156, 0.3568, 0.2524

Complementary

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



45.5156, 0.4068, 0.4655



10.7009, 0.1935, 0.1395

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.



45.5156, 0.2753, 0.2191



45.5156, 0.4068, 0.4655



45.5156, 0.1806, 0.2215

Square

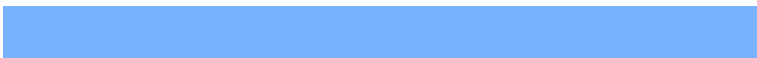
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.5156, 0.4068, 0.4655



45.5156, 0.2018, 0.3425



45.5156, 0.2139, 0.2074



45.5156, 0.4332, 0.3017

Rectangle

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



45.5156, 0.4068, 0.4655



45.5156, 0.2818, 0.4512



45.5156, 0.2139, 0.2074



45.5156, 0.3286, 0.2392

Sweetspot

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



45.5177, 0.4068, 0.4655



90.7465, 0.3420, 0.3731



16.1702, 0.4981, 0.3173



19.3292, 0.3466, 0.3799



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.5177, 0.4068, 0.4655



80.5712, 0.4205, 0.4828



43.8155, 0.3543, 0.5013



11.6272, 0.3267, 0.3501



28.9778, 0.4327, 0.4947



1.2906, 0.4294, 0.4973

Inverse Universe

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



10.7009, 0.1935, 0.1395



12.7487, 0.1710, 0.1012



12.2419, 0.2357, 0.1475



9.8645, 0.2983, 0.3070



2.8198, 0.1515, 0.0654



0.1637, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 45.5156, 0.4068, 0.4655 looks on a white background.

Color Contrast Check

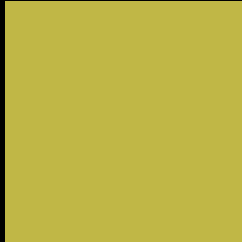
Large Text (above 18pt) WCAG AA × Fail

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 45.5156, 0.4068, 0.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

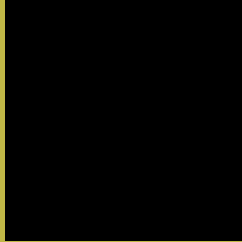
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5156, 0.4068, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 45.5156, 0.4068, 0.4655.



This preview shows how white text looks on a background with the Yxy color 45.5156, 0.4068, 0.4655.

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

45.5156, 0.4068, 0.4655

Protanopia

45.4897, 0.4182, 0.4586

Deuteranopia

45.3082, 0.4431, 0.4343



Tritanopia

45.1852, 0.3289, 0.3117

Trichromacy



Original Color

45.5156, 0.4068, 0.4655

Protanomaly

45.4832, 0.4146, 0.4612

Deuteranomaly

45.1380, 0.4302, 0.4446

Tritanomaly

44.6489, 0.3615, 0.3704

Monochromacy



Original Color

45.5156, 0.4068, 0.4655

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.9252, 0.3499, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5156, 0.4068, 0.4655 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(192, 183, 70)` looks like.

```
.text, #text, p{  
    color:rgb(192, 183, 70)  
}
```

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(192, 183, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 183, 70) }
```

Border

The CSS property to change the border of an element to Yxy 45.5156, 0.4068, 0.4655 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(192, 183, 70) }
```

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

```
.border{ border-color:rgb(192, 183, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 183, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 183, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 183, 70);  
box-shadow:4px 4px 4px 4px rgb(192, 183,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5156, 0.4068, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 183, 70) }
```

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

```
.background{ background-color: rgb(192,  
183, 70) }
```

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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