

Converting Colors

$Y_{xy}(45.8461, 0.4266, 0.4860)$

Have a look what the booklet for
Yxy(45.8461, 0.4266, 0.4860)
contains.

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Color

Yxy(45.8528, 0.4266, 0.4860)

Conversions

Conversions Part 1

Format	Color
Hex	C5B722
RGB	197, 183, 34
RGB Percent	77%, 72%, 13%
CMY	0.2275, 0.2823, 0.8665
CMYK	0.00, 0.07, 0.83, 0.23
HSL	55°, 71%, 45%
HSV	55°, 83%, 77%
XYZ	40.2486, 45.8528, 8.2460
YIQ	170.2000, 56.1730, -43.3710

Conversions

Conversions Part 2

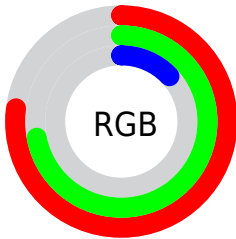
Format	Color
R_{YB}	49, 197, 34
Decimal	12957474
CIE _{Lab}	73.45, -10.09, 69.61
CIE _{LCh}	73, 70.335, 98.249
Yxy	45.8528, 0.4266, 0.4860
Android (android.graphics.Color)	4291147554 (0xFFC5B722)
YUV	170.2000, -67.1466, 23.5036
Hunter-Lab	67.7147, -12.4031, 40.1802

Details

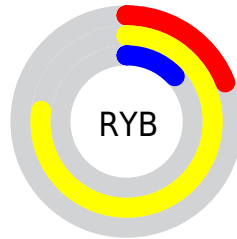
The Yxy color **45.8528, 0.4266, 0.4860** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **6.4898, 0.1645, 0.0905**, and the grayscale version is **40.6281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8192, 0.4096, 0.4629**, and **21.4542, 0.4308, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **45.0781, 0.4324, 0.4910**, and if you desaturate by 10%, it is **46.7054, 0.4181, 0.4766**.

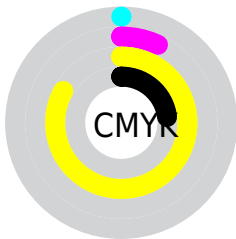
Distribution



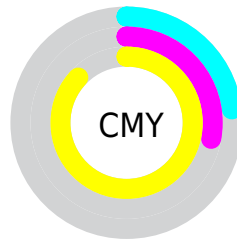
- Red (77%)
- Green (72%)
- Blue (13%)



- Red (19%)
- Yellow (77%)
- Blue (13%)



- Cyan (0%)
- Magenta (7%)
- Yellow (83%)
- Black (23%)




- Cyan (23%)
- Magenta (28%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8528, 0.4266, 0.4860 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 45.8528, 0.4266, 0.4860 by changing the saturation by 10% instead.


 45.8528, 0.4266,
0.4860


 45.8528, 0.4266,
0.4860


370.2165, 0.3775,
0.4131

 32.1297, 0.4348,
0.5004


 83.9987, 0.4115,
0.4620

 21.4606, 0.4426,
0.5161


 109.1902, 0.4050,
0.4522


 13.4611, 0.4505,
0.5347


 138.9733, 0.3991,
0.4435


 7.7468, 0.4511,
0.5489

 173.7324, 0.3938,
0.4359

 3.9334, 0.4417,
0.5583

 213.8519, 0.3891,
0.4292

 1.6364, 0.4257,
0.5743

 259.7161, 0.3848,

 0.3819, 0.2340,

0.4232

0.7660

311.7096, 0.3810,
0.4179

0.0000, 0.0000,
0.0000

45.8528, 0.4266,
0.4860

45.8528, 0.4266,
0.4860

45.0781, 0.4324,
0.4910

46.7054, 0.4181,
0.4766

44.5452, 0.4353,
0.4926

47.6390, 0.4071,
0.4630

48.6640, 0.3939,
0.4457

49.7874, 0.3792,
0.4255

51.0155, 0.3635,
0.4035

■ 52.3543, 0.3476,
0.3806

■ 53.8088, 0.3318,
0.3575

■ 55.3841, 0.3167,
0.3350

■ 57.0849, 0.3024,
0.3134

Harmonies

Analogous

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



45.8528, 0.4890, 0.4228



45.8528, 0.4266, 0.4860



45.8528, 0.3400, 0.5125

Triad

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



45.8528, 0.4266, 0.4860



45.8528, 0.1535, 0.2568



45.8528, 0.3569, 0.2348

Complementary

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



45.8528, 0.4266, 0.4860



6.4898, 0.1645, 0.0905

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.



45.8528, 0.2601, 0.1985



45.8528, 0.4266, 0.4860



45.8528, 0.1569, 0.2036

Square

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



45.8528, 0.4266, 0.4860



45.8528, 0.1842, 0.3521



45.8528, 0.1918, 0.1867



45.8528, 0.4529, 0.2896

Rectangle

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



45.8528, 0.4266, 0.4860



45.8528, 0.2795, 0.4875



45.8528, 0.1918, 0.1867



45.8528, 0.3226, 0.2202

Sweetspot

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



45.8550, 0.4266, 0.4860



93.1091, 0.3518, 0.3867



13.2505, 0.5789, 0.3172



19.7453, 0.3575, 0.3949



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.



45.8550, 0.4266, 0.4860



79.7247, 0.4352, 0.4923



44.9387, 0.3570, 0.5394



12.2552, 0.3267, 0.3499



29.3610, 0.4350, 0.4928



1.4372, 0.4314, 0.4957

Inverse Universe

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



6.4898, 0.1645, 0.0905



7.8992, 0.1516, 0.0650



7.8439, 0.2050, 0.1016



10.4315, 0.2983, 0.3072



2.9660, 0.1518, 0.0663



0.1921, 0.1576, 0.0872

Previews

White Background



This preview shows how the Yxy color 45.8528, 0.4266, 0.4860 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 45.8528, 0.4266, 0.4860 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 45.8528, 0.4266, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 45.8528, 0.4266, 0.4860.



This preview shows how white text looks on a background with the Yxy color 45.8528, 0.4266, 0.4860.

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

45.8528, 0.4266, 0.4860

Protanopia

45.8541, 0.4343, 0.4807

Deuteranopia

45.6168, 0.4632, 0.4530



Tritanopia

45.6200, 0.3354, 0.3120

Trichromacy



Original Color

45.8528, 0.4266, 0.4860

Protanomaly

45.9832, 0.4315, 0.4829

Deuteranomaly

45.3988, 0.4505, 0.4648

Tritanomaly

45.0823, 0.3796, 0.3872

Monochromacy



Original Color

45.8528, 0.4266, 0.4860

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7437, 0.3633, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8528, 0.4266, 0.4860 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(197, 183, 34)` looks like.

```
.text, #text, p{  
    color:rgb(197, 183, 34)  
}
```

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(197, 183, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 183, 34) }
```

Border

The CSS property to change the border of an element to Yxy 45.8528, 0.4266, 0.4860 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(197, 183, 34) }
```

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

```
.border{ border-color:rgb(197, 183, 34) }
```

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

Here you see how a box with a 4 pixel rgb(197, 183, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 183, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 183, 34);  
box-shadow:4px 4px 4px 4px rgb(197, 183,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8528, 0.4266, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 183, 34) }
```

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

```
.background{ background-color: rgb(197,  
183, 34) }
```

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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