

Converting Colors

$Y_{xy}(45.2055, 0.4283, 0.4846)$

Have a look what the booklet for
Yxy(45.2055, 0.4283, 0.4846)
contains.

Yxy(45.0336, 0.4285, 0.4843)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0336, 0.4285, 0.4843)

Conversions

Conversions Part 1

Format	Color
Hex	C5B522
RGB	197, 181, 34
RGB Percent	77%, 71%, 13%
CMY	0.2273, 0.2902, 0.8665
CMYK	0.00, 0.08, 0.83, 0.23
HSL	54°, 71%, 45%
HSV	54°, 83%, 77%
XYZ	39.8449, 45.0336, 8.1085
YIQ	169.0260, 56.7230, -42.3250

Conversions

Conversions Part 2

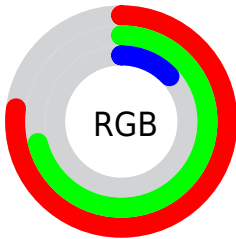
Format	Color
RYB	52, 197, 34
Decimal	12956962
CIELab	72.91, -9.04, 69.16
CIElCh	73, 69.744, 97.448
Yxy	45.0336, 0.4285, 0.4843
Android (android.graphics.Color)	4291147042 (0xFFC5B522)
YUV	169.0260, -66.5678, 24.5332
Hunter-Lab	67.1071, -11.4528, 39.8110

Details

The Yxy color **45.0336, 0.4285, 0.4843** 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 **6.6614, 0.1650, 0.0925**, and the grayscale version is **40.0097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6365, 0.4112, 0.4621**, and **21.1895, 0.4322, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **44.1698, 0.4346, 0.4891**, and if you desaturate by 10%, it is **45.9778, 0.4196, 0.4751**.

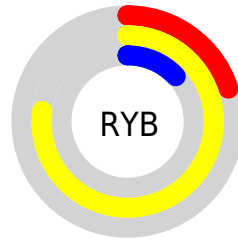
Distribution



Red (77%)

Green (71%)

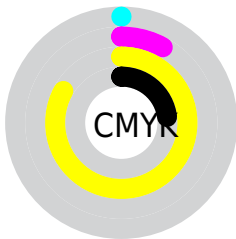
Blue (13%)



Red (20%)

Yellow (77%)

Blue (13%)

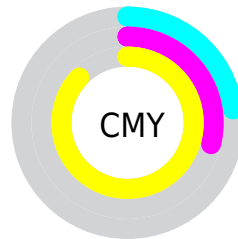


Cyan (0%)

Magenta (8%)

Yellow (83%)

Black (23%)



Cyan (23%)


Magenta (29%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0336, 0.4285, 0.4843 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 45.0336, 0.4285, 0.4843 by changing the saturation by 10% instead.


 45.0336, 0.4285,
0.4843

 45.0336, 0.4285,
0.4843


366.9096, 0.3782,
0.4122

 31.4839, 0.4370,
0.4985


 82.7708, 0.4130,
0.4606

 20.9676, 0.4452,
0.5139


 107.7271, 0.4063,
0.4509


 13.1003, 0.4539,
0.5324


 137.2544, 0.4002,
0.4423

 7.4977, 0.4546,
0.5454

 171.7371, 0.3948,
0.4348

 3.7752, 0.4460,
0.5540

 211.5596, 0.3900,
0.4282

 1.5486, 0.4313,
0.5687

 257.1062, 0.3857,

 0.3226, 0.2103,

0.4222

0.7897

308.7614, 0.3817,
0.4170

■ 0.0000, 0.0000,
0.0000

■ 45.0336, 0.4285,
0.4843

■ 45.0336, 0.4285,
0.4843

■ 44.1698, 0.4346,
0.4891

■ 45.9778, 0.4196,
0.4751

■ 43.5742, 0.4378,
0.4906

■ 47.0056, 0.4082,
0.4616

■ 48.1275, 0.3947,
0.4444

■ 49.3505, 0.3797,
0.4244

■ 50.6808, 0.3638,
0.4026

■ 52.1244, 0.3477,
0.3799

■ 53.6866, 0.3319,
0.3571

■ 55.3722, 0.3167,
0.3349

■ 57.1860, 0.3024,
0.3137

Harmonies

Analogous

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



45.0336, 0.4898, 0.4209



45.0336, 0.4285, 0.4843



45.0336, 0.3424, 0.5122

Triad

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



45.0336, 0.4285, 0.4843



45.0336, 0.1542, 0.2590



45.0336, 0.3540, 0.2337

Complementary

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



45.0336, 0.4285, 0.4843



6.6614, 0.1650, 0.0925

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.



45.0336, 0.2579, 0.1981



45.0336, 0.4285, 0.4843



45.0336, 0.1566, 0.2048

Square

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



45.0336, 0.4285, 0.4843



45.0336, 0.1858, 0.3551



45.0336, 0.1907, 0.1870



45.0336, 0.4505, 0.2881

Rectangle

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



45.0336, 0.4285, 0.4843



45.0336, 0.2819, 0.4888



45.0336, 0.1907, 0.1870



45.0336, 0.3199, 0.2194

Sweetspot

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



45.0357, 0.4285, 0.4843



92.6160, 0.3520, 0.3860



13.2542, 0.5789, 0.3172



19.6254, 0.3578, 0.3941



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.



45.0357, 0.4285, 0.4843



77.9502, 0.4377, 0.4903



44.9540, 0.3570, 0.5395



12.2317, 0.3268, 0.3496



28.7199, 0.4375, 0.4908



1.4129, 0.4333, 0.4942

Inverse Universe

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



6.6614, 0.1650, 0.0925



8.0382, 0.1519, 0.0660



7.8453, 0.2050, 0.1016



10.4526, 0.2983, 0.3075



3.0238, 0.1521, 0.0675



0.2018, 0.1586, 0.0909

Previews

White Background



This preview shows how the Yxy color 45.0336, 0.4285, 0.4843 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 45.0336, 0.4285, 0.4843 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 45.0336, 0.4285, 0.4843

Background



This preview shows how black text looks on a background with the Yxy color 45.0336, 0.4285, 0.4843.



This preview shows how white text looks on a background with the Yxy color 45.0336, 0.4285, 0.4843.

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

45.0336, 0.4285, 0.4843

Protanopia

44.7732, 0.4341, 0.4799

Deuteranopia

44.9171, 0.4624, 0.4533



Tritanopia

45.1632, 0.3373, 0.3132

Trichromacy



Original Color

45.0336, 0.4285, 0.4843

Protanomaly

45.0374, 0.4322, 0.4815

Deuteranomaly

44.8591, 0.4506, 0.4645

Tritanomaly

44.2830, 0.3814, 0.3861

Monochromacy



Original Color

45.0336, 0.4285, 0.4843

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.8269, 0.3639, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0336, 0.4285, 0.4843 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, 181, 34)` looks like.

```
.text, #text, p{  
    color:rgb(197, 181, 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, 181, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 181, 34) }
```

Border

The CSS property to change the border of an element to Yxy 45.0336, 0.4285, 0.4843 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, 181, 34) }
```

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

```
.border{ border-color:rgb(197, 181, 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, 181, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 181, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 181, 34);  
box-shadow:4px 4px 4px 4px rgb(197, 181,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0336, 0.4285, 0.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 181, 34) }
```

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

```
.background{ background-color: rgb(197,  
181, 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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