

Converting Colors

$Yxy(45.3294, 0.4336, 0.4888)$

Have a look what the booklet for
Yxy(45.3294, 0.4336, 0.4888)
contains.

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Color

Yxy(45.2335, 0.4340, 0.4885)

Conversions

Conversions Part 1

Format	Color
Hex	C7B512
RGB	199, 181, 18
RGB Percent	78%, 71%, 7%
CMY	0.2196, 0.2902, 0.9302
CMYK	0.00, 0.09, 0.91, 0.22
HSL	54°, 84%, 43%
HSV	54°, 91%, 78%
XYZ	40.1870, 45.2335, 7.1762
YIQ	167.8000, 63.0510, -46.8770

Conversions

Conversions Part 2

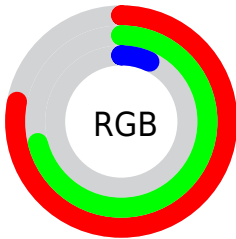
Format	Color
R _Y B	38, 199, 18
Decimal	13088018
CIE Lab	73.05, -8.54, 72.74
CIE LCh	73, 73.239, 96.695
Yxy	45.2335, 0.4340, 0.4885
Android (android.graphics.Color)	4291278098 (0xFFC7B512)
YUV	167.8000, -73.8514, 27.3624
Hunter-Lab	67.2559, -11.0397, 40.7528

Details

The Yxy color **45.2335, 0.4340, 0.4885** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **5.5011, 0.1571, 0.0773**, and the grayscale version is **39.3918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5003, 0.4146, 0.4672**, and **21.2760, 0.4334, 0.4941** is the 20% darker color. If you saturate the color by 10%, you get **44.4776, 0.4380, 0.4904**, and if you desaturate by 10%, it is **46.1407, 0.4274, 0.4830**.

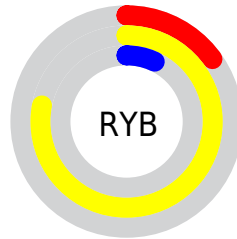
Distribution



Red (78%)

Green (71%)

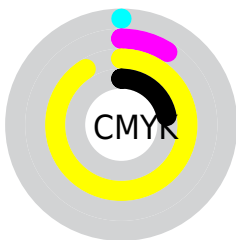
Blue (7%)



Red (15%)

Yellow (78%)

Blue (7%)

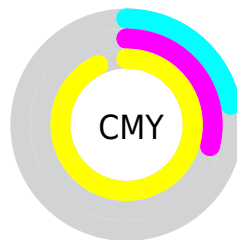


Cyan (0%)

Magenta (9%)

Yellow (91%)

Black (22%)



Cyan (22%)


Magenta (29%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2335, 0.4340, 0.4885 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 45.2335, 0.4340, 0.4885 by changing the saturation by 10% instead.

 45.2335, 0.4340,
0.4885

 45.2335, 0.4340,
0.4885


367.7184, 0.3821,
0.4157

 31.6414, 0.4423,
0.5022


 83.0707, 0.4183,
0.4650

 21.0877, 0.4501,
0.5168


 108.0846, 0.4114,
0.4552


 13.1881, 0.4598,
0.5360


 137.6745, 0.4052,
0.4466

 7.5582, 0.4565,
0.5435

 172.2248, 0.3996,
0.4389

 3.8136, 0.4484,
0.5516

 212.1200, 0.3945,
0.4321

 1.5698, 0.4347,
0.5653

 257.7444, 0.3900,

 0.3371, 0.2494,

0.4260

0.7506

309.4824, 0.3859,
0.4206

0.0000, 0.0000,
0.0000

45.2335, 0.4340,
0.4885

45.2335, 0.4340,
0.4885

44.4776, 0.4380,
0.4904

46.1407, 0.4274,
0.4830

47.1256, 0.4181,
0.4730

48.2001, 0.4062,
0.4589

49.3723, 0.3924,
0.4412

50.6494, 0.3772,
0.4208

■ 52.0377, 0.3612,
0.3988

■ 53.5431, 0.3451,
0.3761

■ 55.1710, 0.3293,
0.3534

■ 56.9264, 0.3143,
0.3313

Harmonies

Analogous

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



45.2335, 0.4977, 0.4210



45.2335, 0.4340, 0.4885



45.2335, 0.3447, 0.5215

Triad

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



45.2335, 0.4340, 0.4885



45.2335, 0.1485, 0.2572



45.2335, 0.3529, 0.2287

Complementary

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



45.2335, 0.4340, 0.4885



5.5011, 0.1571, 0.0773

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.



45.2335, 0.2531, 0.1926



45.2335, 0.4340, 0.4885



45.2335, 0.1505, 0.2004

Square

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



45.2335, 0.4340, 0.4885



45.2335, 0.1816, 0.3588



45.2335, 0.1846, 0.1818



45.2335, 0.4549, 0.2843

Rectangle

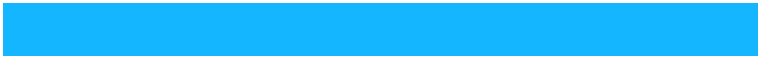
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.2335, 0.4340, 0.4885



45.2335, 0.2819, 0.4995



45.2335, 0.1846, 0.1818



45.2335, 0.3173, 0.2141

Sweetspot

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



45.2357, 0.4340, 0.4885



92.0437, 0.3553, 0.3906



12.6967, 0.6078, 0.3204



19.5105, 0.3609, 0.3984



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.



45.2357, 0.4340, 0.4885



77.6648, 0.4383, 0.4902



45.3703, 0.3547, 0.5508



12.2299, 0.3268, 0.3496



28.6697, 0.4377, 0.4907



1.4109, 0.4334, 0.4941

Inverse Universe

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



5.5011, 0.1571, 0.0773



7.9299, 0.1515, 0.0653



6.7384, 0.1941, 0.0886



10.4542, 0.2983, 0.3075



3.0286, 0.1521, 0.0676



0.2026, 0.1587, 0.0912

Previews

White Background



This preview shows how the Yxy color 45.2335, 0.4340, 0.4885 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 45.2335, 0.4340, 0.4885 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 45.2335, 0.4340, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 45.2335, 0.4340, 0.4885.



This preview shows how white text looks on a background with the Yxy color 45.2335, 0.4340, 0.4885.

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

45.2335, 0.4340, 0.4885

Protanopia

45.2395, 0.4379, 0.4858

Deuteranopia

45.0069, 0.4671, 0.4574



Tritanopia

45.0431, 0.3402, 0.3132

Trichromacy



Original Color

45.2335, 0.4340, 0.4885

Protanomaly

45.1005, 0.4369, 0.4865

Deuteranomaly

44.9412, 0.4551, 0.4688

Tritanomaly

44.4141, 0.3886, 0.3931

Monochromacy



Original Color

45.2335, 0.4340, 0.4885

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6631, 0.3699, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2335, 0.4340, 0.4885 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(199, 181, 18)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 18)  
}
```

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(199, 181, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 18) }
```

Border

The CSS property to change the border of an element to Yxy 45.2335, 0.4340, 0.4885 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(199, 181, 18) }
```

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

```
.border{ border-color:rgb(199, 181, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 181, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 181, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 181, 18);  
box-shadow:4px 4px 4px 4px rgb(199, 181,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2335, 0.4340, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 18) }
```

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

```
.background{ background-color: rgb(199,  
181, 18) }
```

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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