

Converting Colors

$Y_{xy}(45.3044, 0.4313, 0.4925)$

Have a look what the booklet for
Yxy(45.3044, 0.4313, 0.4925)
contains.

Yxy(45.2182, 0.4311, 0.4927)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.2182, 0.4311, 0.4927)

Conversions

Conversions Part 1

Format	Color
Hex	C4B60C
RGB	196, 182, 12
RGB Percent	77%, 71%, 5%
CMY	0.2313, 0.2863, 0.9525
CMYK	0.00, 0.07, 0.94, 0.23
HSL	55°, 88%, 41%
HSV	55°, 94%, 77%
XYZ	39.5648, 45.2182, 6.9934
YIQ	166.8060, 62.9140, -49.9020

Conversions

Conversions Part 2

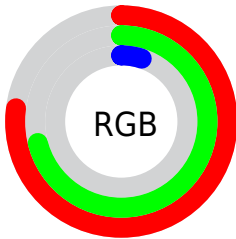
Format	Color
R_{YB}	27, 196, 12
Decimal	12891660
CIE _{Lab}	73.04, -10.44, 73.41
CIE _{LCh}	73, 74.153, 98.096
Yxy	45.2182, 0.4311, 0.4927
Android (android.graphics.Color)	4291081740 (0xFFC4B60C)
YUV	166.8060, -76.3194, 25.6031
Hunter-Lab	67.2445, -12.6534, 40.9050

Details

The Yxy color **45.2182, 0.4311, 0.4927** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **4.8104, 0.1545, 0.0708**, and the grayscale version is **38.9084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0492, 0.4147, 0.4692**, and **21.3685, 0.4296, 0.4971** is the 20% darker color. If you saturate the color by 10%, you get **44.8166, 0.4334, 0.4941**, and if you desaturate by 10%, it is **45.9120, 0.4259, 0.4881**.

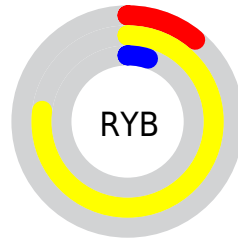
Distribution



Red (77%)

Green (71%)

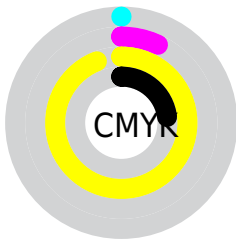
Blue (5%)



Red (11%)

Yellow (77%)

Blue (5%)

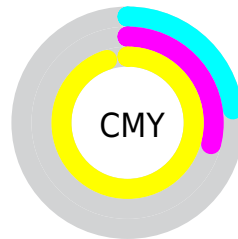


Cyan (0%)

Magenta (7%)

Yellow (94%)

Black (23%)



Cyan (23%)

Magenta (29%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2182, 0.4311, 0.4927 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 45.2182, 0.4311, 0.4927 by changing the saturation by 10% instead.

45.2182, 0.4311,
0.4927

45.2182, 0.4311,
0.4927

367.6566, 0.3810,
0.4176

31.6293, 0.4389,
0.5070

83.0477, 0.4162,
0.4684

21.0785, 0.4459,
0.5222

108.0572, 0.4095,
0.4583

13.1814, 0.4550,
0.5428

137.6423, 0.4035,
0.4494

7.5536, 0.4495,
0.5505

172.1875, 0.3980,
0.4415

3.8107, 0.4395,
0.5605

212.0771, 0.3931,
0.4345

1.5682, 0.4226,
0.5774

257.6956, 0.3887,

0.3360, 0.1610,

0.4282

0.8390

309.4272, 0.3847,
0.4226

■ 0.0000, 0.0000,
0.0000

■ 45.2182, 0.4311,
0.4927

■ 45.2182, 0.4311,
0.4927

■ 44.8166, 0.4334,
0.4941

■ 45.9120, 0.4259,
0.4881

■ 46.6734, 0.4180,
0.4791

■ 47.5143, 0.4075,
0.4658

■ 48.4429, 0.3948,
0.4487

■ 49.4664, 0.3804,
0.4287

■ 50.5910, 0.3650,
0.4067

■ 51.8225, 0.3492,
0.3836

■ 53.1661, 0.3335,
0.3603

■ 54.6267, 0.3183,
0.3375

Harmonies

Analogous

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



45.2182, 0.4975, 0.4248



45.2182, 0.4311, 0.4927



45.2182, 0.3403, 0.5239

Triad

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



45.2182, 0.4311, 0.4927



45.2182, 0.1463, 0.2525



45.2182, 0.3584, 0.2300

Complementary

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



45.2182, 0.4311, 0.4927



4.8104, 0.1545, 0.0708

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.



45.2182, 0.2565, 0.1925



45.2182, 0.4311, 0.4927



45.2182, 0.1499, 0.1974

Square

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



45.2182, 0.4311, 0.4927



45.2182, 0.1777, 0.3535



45.2182, 0.1857, 0.1803



45.2182, 0.4607, 0.2867

Rectangle

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



45.2182, 0.4311, 0.4927



45.2182, 0.2770, 0.4988



45.2182, 0.1857, 0.1803



45.2182, 0.3222, 0.2149

Sweetspot

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



45.2203, 0.4311, 0.4927



92.7981, 0.3565, 0.3944



12.0858, 0.6183, 0.3234



19.6568, 0.3635, 0.4044



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.



45.2203, 0.4311, 0.4927



80.9913, 0.4336, 0.4939



43.4680, 0.3512, 0.5556



11.6226, 0.3267, 0.3501



28.8449, 0.4332, 0.4943



1.2861, 0.4298, 0.4970

Inverse Universe

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



4.8104, 0.1545, 0.0708



7.7012, 0.1510, 0.0636



6.3631, 0.1937, 0.0868



9.8687, 0.2983, 0.3070



2.8300, 0.1516, 0.0656



0.1655, 0.1571, 0.0855

Previews

White Background



This preview shows how the Yxy color 45.2182, 0.4311, 0.4927 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 45.2182, 0.4311, 0.4927 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 45.2182, 0.4311, 0.4927

Background



This preview shows how black text looks on a background with the Yxy color 45.2182, 0.4311, 0.4927.



This preview shows how white text looks on a background with the Yxy color 45.2182, 0.4311, 0.4927.

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

45.2182, 0.4311, 0.4927

Protanopia

45.2232, 0.4387, 0.4870

Deuteranopia

44.9973, 0.4676, 0.4581



Tritanopia

45.0187, 0.3364, 0.3131

Trichromacy



Original Color

45.2182, 0.4311, 0.4927

Protanomaly

45.3513, 0.4359, 0.4892

Deuteranomaly

44.7771, 0.4549, 0.4703

Tritanomaly

44.3247, 0.3869, 0.3974

Monochromacy



Original Color

45.2182, 0.4311, 0.4927

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.1177, 0.3710, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2182, 0.4311, 0.4927 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(196, 182, 12)` looks like.

```
.text, #text, p{  
    color:rgb(196, 182, 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(196, 182, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 182, 12) }
```

Border

The CSS property to change the border of an element to Yxy 45.2182, 0.4311, 0.4927 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(196, 182, 12) }
```

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

```
.border{ border-color:rgb(196, 182, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 182, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 182, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 182, 12);  
box-shadow:4px 4px 4px 4px rgb(196, 182,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2182, 0.4311, 0.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 182, 12) }
```

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

```
.background{ background-color: rgb(196,  
182, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor