

Converting Colors

$Y_{xy}(45.9111, 0.4538, 0.4757)$

Have a look what the booklet for
Yxy(45.9111, 0.4538, 0.4757)
contains.

Yxy(45.9111, 0.4538, 0.4757)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9111, 0.4538, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	D7B109
RGB	215, 177, 9
RGB Percent	84%, 69%, 4%
CMY	0.1568, 0.3059, 0.9657
CMYK	0.00, 0.18, 0.96, 0.16
HSL	49°, 92%, 44%
HSV	49°, 96%, 84%
XYZ	43.7975, 45.9111, 6.8041
YIQ	169.2100, 76.5760, -44.1920

Conversions

Conversions Part 2

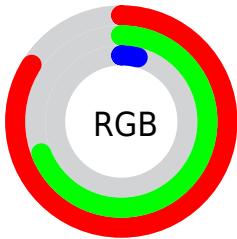
Format	Color
RYB	56, 215, 9
Decimal	14135561
CIELab	73.49, 0.47, 74.92
CIElCh	73, 74.925, 89.639
Yxy	45.9111, 0.4538, 0.4757
Android (android.graphics.Color)	4292325641 (0xFFD7B109)
YUV	169.2100, -78.9835, 40.1578
Hunter-Lab	67.7577, -3.1966, 41.4766

Details

The Yxy color **45.9111, 0.4538, 0.4757** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **6.9774, 0.1569, 0.0818**, and the grayscale version is **40.1442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5978, 0.4190, 0.4654**, and **21.6358, 0.4576, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **45.2608, 0.4565, 0.4757**, and if you desaturate by 10%, it is **47.5773, 0.4459, 0.4737**.

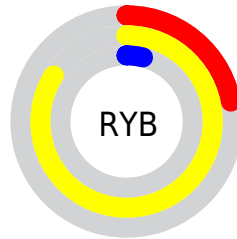
Distribution



Red (84%)

Green (69%)

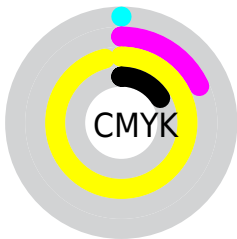
Blue (4%)



Red (22%)

Yellow (84%)

Blue (4%)

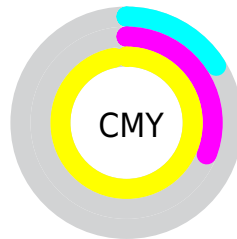


Cyan (0%)

Magenta (18%)

Yellow (96%)

Black (16%)



Cyan (16%)


Magenta (31%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9111, 0.4538, 0.4757 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 45.9111, 0.4538, 0.4757 by changing the saturation by 10% instead.

 45.9111, 0.4538,
0.4757

 45.9111, 0.4538,
0.4757


370.4511, 0.3925,
0.4122


 32.1757, 0.4642,
0.4864


 84.0859, 0.4349,
0.4562

 21.4957, 0.4746,
0.4970


 109.2941, 0.4267,
0.4477


 13.4868, 0.4886,
0.5112


 139.0954, 0.4194,
0.4401

 7.7646, 0.4890,
0.5110

 173.8741, 0.4128,
0.4333

 3.9447, 0.4894,
0.5106

 214.0146, 0.4069,
0.4271

 1.6427, 0.4901,
0.5099

 259.9013, 0.4016,

 0.3861, 0.4950,

0.4216

0.5050

311.9187, 0.3968,
0.4167

■ 0.0000, 0.0000,
0.0000

■ 45.9111, 0.4538,
0.4757

■ 45.9111, 0.4538,
0.4757

■ 45.2608, 0.4565,
0.4757

■ 47.5773, 0.4459,
0.4737

■ 49.3620, 0.4351,
0.4672

■ 51.2809, 0.4217,
0.4561

■ 53.3450, 0.4061,
0.4411

■ 55.5639, 0.3893,
0.4231

■ 57.9459, 0.3718,
0.4032

■ 60.4987, 0.3544,
0.3824

■ 63.2295, 0.3376,
0.3614

■ 66.1447, 0.3216,
0.3408

Harmonies

Analogous

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



45.9111, 0.5092, 0.4045



45.9111, 0.4538, 0.4757



45.9111, 0.3671, 0.5230

Triad

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



45.9111, 0.4538, 0.4757



45.9111, 0.1507, 0.2761



45.9111, 0.3277, 0.2166

Complementary

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



45.9111, 0.4538, 0.4757



6.9774, 0.1569, 0.0818

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.



45.9111, 0.2325, 0.1858



45.9111, 0.4538, 0.4757



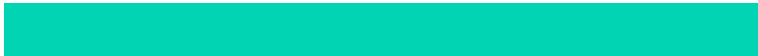
45.9111, 0.1450, 0.2080

Square

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



45.9111, 0.4538, 0.4757



45.9111, 0.1930, 0.3882



45.9111, 0.1716, 0.1813



45.9111, 0.4354, 0.2690

Rectangle

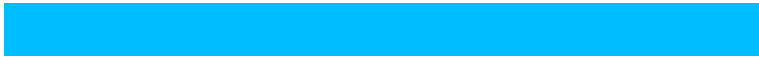
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9111, 0.4538, 0.4757



45.9111, 0.3032, 0.5158



45.9111, 0.1716, 0.1813



45.9111, 0.2928, 0.2036

Sweetspot

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



45.9133, 0.4538, 0.4757



87.7296, 0.3602, 0.3894



14.8692, 0.5986, 0.3101



18.4327, 0.3677, 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.



45.9133, 0.4538, 0.4757



66.3758, 0.4569, 0.4754



55.4117, 0.3682, 0.5438



14.1126, 0.3271, 0.3479



27.2124, 0.4559, 0.4762



1.7446, 0.4484, 0.4821

Inverse Universe

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



6.9774, 0.1569, 0.0818



9.2524, 0.1541, 0.0748



6.4226, 0.1734, 0.0746



12.3752, 0.2982, 0.3094



3.9400, 0.1550, 0.0779



0.3504, 0.1634, 0.1082

Previews

White Background



This preview shows how the Yxy color 45.9111, 0.4538, 0.4757 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 45.9111, 0.4538, 0.4757 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 45.9111, 0.4538, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 45.9111, 0.4538, 0.4757.



This preview shows how white text looks on a background with the Yxy color 45.9111, 0.4538, 0.4757.

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

45.9111, 0.4538, 0.4757

Protanopia

45.9117, 0.4394, 0.4862

Deuteranopia

45.6668, 0.4700, 0.4598



Tritanopia

45.9319, 0.3576, 0.3151

Trichromacy



Original Color

45.9111, 0.4538, 0.4757

Protanomaly

46.0766, 0.4442, 0.4827

Deuteranomaly

45.6096, 0.4642, 0.4657

Tritanomaly

45.0090, 0.4105, 0.3917

Monochromacy



Original Color

45.9111, 0.4538, 0.4757

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.0918, 0.3790, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9111, 0.4538, 0.4757 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(215, 177, 9)` looks like.

```
.text, #text, p{  
    color:rgb(215, 177, 9)  
}
```

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(215, 177, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 177, 9) }
```

Border

The CSS property to change the border of an element to Yxy 45.9111, 0.4538, 0.4757 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(215, 177, 9) }
```

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

```
.border{ border-color:rgb(215, 177, 9) }
```

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

Here you see how a box with a 4 pixel rgb(215, 177, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 177, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 177, 9);  
box-shadow:4px 4px 4px 4px rgb(215, 177,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9111, 0.4538, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 177, 9) }
```

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

```
.background{ background-color: rgb(215,  
177, 9) }
```

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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