

Converting Colors

$Y_{xy}(45.7193, 0.4778, 0.4566)$

Have a look what the booklet for
Yxy(45.7193, 0.4778, 0.4566)
contains.

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Color

Yxy(45.7193, 0.4778, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	E9A909
RGB	233, 169, 9
RGB Percent	91%, 66%, 4%
CMY	0.0863, 0.3372, 0.9637
CMYK	0.00, 0.27, 0.96, 0.09
HSL	43°, 92%, 48%
HSV	43°, 96%, 91%
XYZ	47.8421, 45.7193, 6.5685
YIQ	169.8960, 89.5040, -36.1920

Conversions

Conversions Part 2

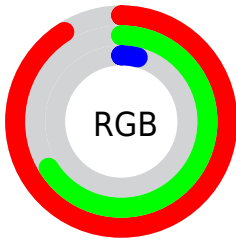
Format	Color
R_{YB}	99, 233, 9
Decimal	15313161
CIE _{Lab}	73.36, 12.55, 75.64
CIE _{LCh}	73, 76.669, 80.579
Yxy	45.7193, 0.4778, 0.4566
Android (android.graphics.Color)	4293503241 (0xFFE9A909)
YUV	169.8960, -79.3217, 55.3422
Hunter-Lab	67.6160, 7.9704, 41.5715

Details

The Yxy color **45.7193, 0.4778, 0.4566** 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 **10.7405, 0.1621, 0.1011**, and the grayscale version is **40.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1805, 0.4247, 0.4600**, and **21.4932, 0.4892, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **44.7260, 0.4819, 0.4556**, and if you desaturate by 10%, it is **48.3518, 0.4662, 0.4569**.

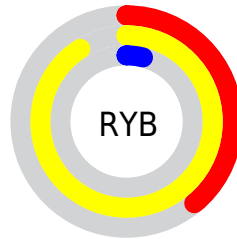
Distribution



Red (91%)

Green (66%)

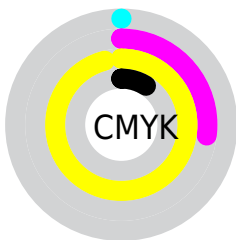
Blue (4%)



Red (39%)

Yellow (91%)

Blue (4%)

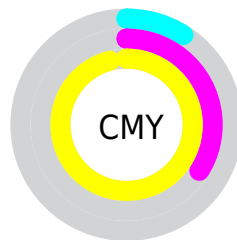


Cyan (0%)

Magenta (27%)

Yellow (96%)

Black (9%)



Cyan (9%)


Magenta (34%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7193, 0.4778, 0.4566 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 45.7193, 0.4778, 0.4566 by changing the saturation by 10% instead.


 45.7193, 0.4778,
0.4566


 45.7193, 0.4778,
0.4566


369.6790, 0.4044,
0.4054


 32.0244, 0.4911,
0.4637


 83.7987, 0.4546,
0.4420


 21.3801, 0.5050,
0.4696


 108.9521, 0.4448,
0.4353

 13.4021, 0.5232,
0.4768


 138.6936, 0.4360,
0.4291

 7.7060, 0.5302,
0.4698

 173.4078, 0.4282,
0.4234

 3.9074, 0.5407,
0.4593

 213.4791, 0.4213,
0.4183

 1.6219, 0.5579,
0.4421

 259.2918, 0.4150,

 0.3723, 0.6394,

0.4136

0.3606

311.2303, 0.4094,
0.4093

■ 0.0000, 0.0000,
0.0000

■ 45.7193, 0.4778,
0.4566

■ 45.7193, 0.4778,
0.4566

■ 44.7260, 0.4819,
0.4556

■ 48.3518, 0.4662,
0.4569

■ 51.2000, 0.4514,
0.4522

■ 54.2841, 0.4341,
0.4428

■ 57.6188, 0.4150,
0.4294

■ 61.2171, 0.3952,
0.4132

■ 65.0904, 0.3755,
0.3952

■ 69.2495, 0.3564,
0.3765

■ 73.7040, 0.3385,
0.3578

■ 78.4632, 0.3220,
0.3396

Harmonies

Analogous

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



45.7193, 0.5200, 0.3828



45.7193, 0.4778, 0.4566



45.7193, 0.3961, 0.5180

Triad

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



45.7193, 0.4778, 0.4566



45.7193, 0.1562, 0.3051



45.7193, 0.2954, 0.2024

Complementary

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



45.7193, 0.4778, 0.4566



10.7405, 0.1621, 0.1011

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.



45.7193, 0.2081, 0.1788



45.7193, 0.4778, 0.4566



45.7193, 0.1401, 0.2211

Square

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



45.7193, 0.4778, 0.4566



45.7193, 0.2111, 0.4279



45.7193, 0.1574, 0.1829



45.7193, 0.4064, 0.2497

Rectangle

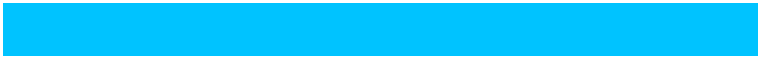
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.7193, 0.4778, 0.4566



45.7193, 0.3319, 0.5294



45.7193, 0.1574, 0.1829



45.7193, 0.2624, 0.1916

Sweetspot

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



45.7216, 0.4778, 0.4566



83.3584, 0.3622, 0.3824



18.0512, 0.5684, 0.2930



17.3747, 0.3704, 0.3904



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.



45.7216, 0.4778, 0.4566



54.7440, 0.4822, 0.4553



69.0194, 0.3846, 0.5311



16.8567, 0.3275, 0.3457



25.6012, 0.4807, 0.4565



2.1731, 0.4702, 0.4649

Inverse Universe

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



10.7405, 0.1621, 0.1011



11.9761, 0.1593, 0.0934



6.8684, 0.1621, 0.0682



15.2506, 0.2980, 0.3117



5.7748, 0.1602, 0.0967



0.6128, 0.1677, 0.1237

Previews

White Background



This preview shows how the Yxy color 45.7193, 0.4778, 0.4566 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 45.7193, 0.4778, 0.4566 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 45.7193, 0.4778, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 45.7193, 0.4778, 0.4566.



This preview shows how white text looks on a background with the Yxy color 45.7193, 0.4778, 0.4566.

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

45.7193, 0.4778, 0.4566

Protanopia

45.9225, 0.4389, 0.4854

Deuteranopia

45.6198, 0.4725, 0.4630



Tritanopia

45.6793, 0.3838, 0.3159

Trichromacy



Original Color

45.7193, 0.4778, 0.4566

Protanomaly

45.9231, 0.4531, 0.4748

Deuteranomaly

45.5790, 0.4750, 0.4604

Tritanomaly

44.8146, 0.4360, 0.3840

Monochromacy



Original Color

45.7193, 0.4778, 0.4566

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.2568, 0.3861, 0.4054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7193, 0.4778, 0.4566 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(233, 169, 9)` looks like.

```
.text, #text, p{  
    color:rgb(233, 169, 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(233, 169, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 169, 9) }
```

Border

The CSS property to change the border of an element to Yxy 45.7193, 0.4778, 0.4566 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(233, 169, 9) }
```

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

```
.border{ border-color:rgb(233, 169, 9) }
```

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

Here you see how a box with a 4 pixel rgb(233, 169, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 169, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 169, 9);  
box-shadow:4px 4px 4px 4px rgb(233, 169,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7193, 0.4778, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 169, 9) }
```

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

```
.background{ background-color: rgb(233,  
169, 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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