

Converting Colors

$Y_{xy}(45.5505, 0.4666, 0.4573)$

Have a look what the booklet for
Yxy(45.5505, 0.4666, 0.4573)
contains.

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Color

Yxy(45.5505, 0.4666, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	E3AB1E
RGB	227, 171, 30
RGB Percent	89%, 67%, 12%
CMY	0.1098, 0.3294, 0.8818
CMYK	0.00, 0.25, 0.87, 0.11
HSL	43°, 78%, 50%
HSV	43°, 87%, 89%
XYZ	46.4768, 45.5505, 7.5801
YIQ	171.6700, 78.6370, -31.9790

Conversions

Conversions Part 2

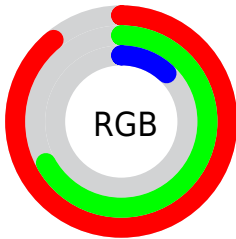
Format	Color
RYB	108, 227, 30
Decimal	14920478
CIELab	73.25, 9.20, 71.61
CIELCh	73, 72.198, 82.676
Yxy	45.5505, 0.4666, 0.4573
Android (android.graphics.Color)	4293110558 (0xFFE3AB1E)
YUV	171.6700, -69.8433, 48.5244
Hunter-Lab	67.4911, 4.8122, 40.5847

Details

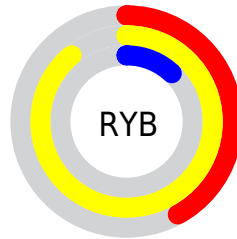
The Yxy color **45.5505, 0.4666, 0.4573** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **12.5018, 0.1700, 0.1198**, and the grayscale version is **41.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4080, 0.4194, 0.4557**, and **21.3006, 0.4795, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **43.0945, 0.4780, 0.4568**, and if you desaturate by 10%, it is **48.2132, 0.4521, 0.4529**.

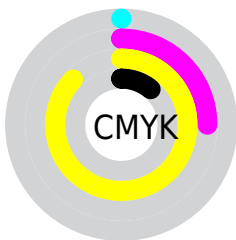
Distribution



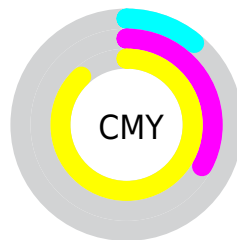
- Red (89%)
- Green (67%)
- Blue (12%)



- Red (42%)
- Yellow (89%)
- Blue (12%)



- Cyan (0%)
- Magenta (25%)
- Yellow (87%)
- Black (11%)





- Cyan (11%)
- Magenta (33%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5505, 0.4666, 0.4573 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 45.5505, 0.4666, 0.4573 by changing the saturation by 10% instead.


 45.5505, 0.4666,
0.4573


 45.5505, 0.4666,
0.4573

368.9985, 0.3973,
0.4034

 31.8913, 0.4795,
0.4658


 83.5459, 0.4444,
0.4412


 21.2785, 0.4932,
0.4737

 108.6508, 0.4351,
0.4341

 13.3277, 0.5100,
0.4825


 138.3398, 0.4269,
0.4276

 7.6546, 0.5191,
0.4809

 172.9971, 0.4196,
0.4217

 3.8747, 0.5270,
0.4730

 213.0073, 0.4131,
0.4165

 1.6037, 0.5401,
0.4599

 258.7546, 0.4073,

 0.3601, 0.6116,

0.4117

0.3884

310.6236, 0.4020,
0.4074

■ 0.0000, 0.0000,
0.0000

■ 45.5505, 0.4666,
0.4573

■ 45.5505, 0.4666,
0.4573

■ 43.0945, 0.4780,
0.4568

■ 48.2132, 0.4521,
0.4529

■ 42.3231, 0.4813,
0.4560

■ 51.0932, 0.4350,
0.4437

■ 54.2067, 0.4161,
0.4305

■ 57.5659, 0.3964,
0.4144

■ 61.1816, 0.3766,
0.3966

■ 65.0639, 0.3576,
0.3778

■ 69.2219, 0.3396,
0.3591

■ 73.6642, 0.3230,
0.3408

■ 78.3991, 0.3079,
0.3234

Harmonies

Analogous

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



45.5505, 0.5087, 0.3874



45.5505, 0.4666, 0.4573



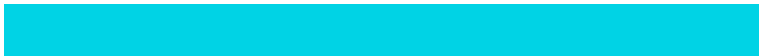
45.5505, 0.3876, 0.5109

Triad

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



45.5505, 0.4666, 0.4573



45.5505, 0.1613, 0.3003



45.5505, 0.3037, 0.2105

Complementary

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



45.5505, 0.4666, 0.4573



12.5018, 0.1700, 0.1198

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.



45.5505, 0.2180, 0.1860



45.5505, 0.4666, 0.4573



45.5505, 0.1477, 0.2232

Square

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



45.5505, 0.4666, 0.4573



45.5505, 0.2120, 0.4137



45.5505, 0.1665, 0.1883



45.5505, 0.4086, 0.2576

Rectangle

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



45.5505, 0.4666, 0.4573



45.5505, 0.3261, 0.5160



45.5505, 0.1665, 0.1883



45.5505, 0.2717, 0.1996

Sweetspot

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



45.5528, 0.4666, 0.4573



84.9936, 0.3566, 0.3768



17.9911, 0.5379, 0.2850



17.8049, 0.3631, 0.3834



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.



45.5528, 0.4666, 0.4573



54.9079, 0.4818, 0.4556



65.6754, 0.3856, 0.5238



16.0880, 0.3275, 0.3457



24.8916, 0.4802, 0.4569



1.9956, 0.4692, 0.4656

Inverse Universe

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



12.5018, 0.1700, 0.1198



11.9238, 0.1592, 0.0930



7.7660, 0.1719, 0.0793



14.5514, 0.2981, 0.3117



5.5823, 0.1602, 0.0966



0.5669, 0.1681, 0.1252

Previews

White Background



This preview shows how the Yxy color 45.5505, 0.4666, 0.4573 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 45.5505, 0.4666, 0.4573 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 45.5505, 0.4666, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 45.5505, 0.4666, 0.4573.



This preview shows how white text looks on a background with the Yxy color 45.5505, 0.4666, 0.4573.

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

45.5505, 0.4666, 0.4573

Protanopia

45.8541, 0.4343, 0.4807

Deuteranopia

45.5505, 0.4666, 0.4573



Tritanopia

45.3987, 0.3755, 0.3156

Trichromacy



Original Color

45.5505, 0.4666, 0.4573

Protanomaly

45.5456, 0.4467, 0.4717

Deuteranomaly

45.5505, 0.4666, 0.4573

Tritanomaly

44.7063, 0.4209, 0.3781

Monochromacy



Original Color

45.5505, 0.4666, 0.4573

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.0676, 0.3772, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5505, 0.4666, 0.4573 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(227, 171, 30)` looks like.

```
.text, #text, p{  
    color:rgb(227, 171, 30)  
}
```

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(227, 171, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 171, 30) }
```

Border

The CSS property to change the border of an element to Yxy 45.5505, 0.4666, 0.4573 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(227, 171, 30) }
```

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

```
.border{ border-color:rgb(227, 171, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 171, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 171, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 171, 30);  
box-shadow:4px 4px 4px 4px rgb(227, 171,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5505, 0.4666, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 171, 30) }
```

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

```
.background{ background-color: rgb(227,  
171, 30) }
```

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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