

Converting Colors

$Y_{xy}(45.3188, 0.4776, 0.4605)$

Have a look what the booklet for
Yxy(45.3188, 0.4776, 0.4605)
contains.

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Color

Yxy(45.3649, 0.4773, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	E7A900
RGB	231, 169, 0
RGB Percent	91%, 66%, 0%
CMY	0.0941, 0.3372, 1.0000
CMYK	0.00, 0.27, 1.00, 0.09
HSL	44°, 100%, 45%
HSV	44°, 100%, 91%
XYZ	47.1428, 45.3649, 6.2620
YIQ	168.2720, 91.2010, -39.4150

Conversions

Conversions Part 2

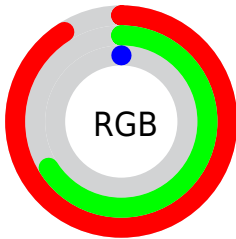
Format	Color
RYB	85, 231, 0
Decimal	15182080
CIELab	73.13, 11.60, 76.48
CIELCh	73, 77.350, 81.375
Yxy	45.3649, 0.4773, 0.4593
Android (android.graphics.Color)	4293372160 (0xFFE7A900)
YUV	168.2720, -82.9581, 55.0125
Hunter-Lab	67.3535, 7.0690, 41.6351

Details

The Yxy color **45.3649, 0.4773, 0.4593** 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 **9.2148, 0.1585, 0.0904**, and the grayscale version is **39.6833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1358, 0.4260, 0.4618**, and **21.2686, 0.4870, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **45.3679, 0.4773, 0.4593**, and if you desaturate by 10%, it is **47.7921, 0.4673, 0.4606**.

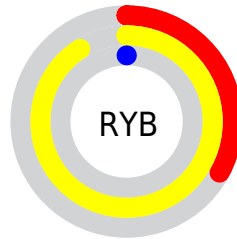
Distribution



Red (91%)

Green (66%)

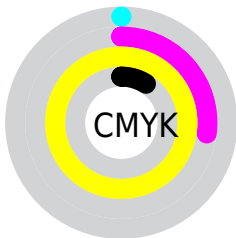
Blue (0%)



Red (33%)

Yellow (91%)

Blue (0%)

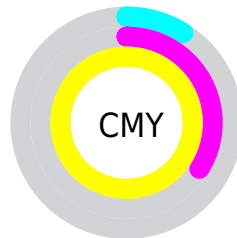


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3649, 0.4773, 0.4593 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 45.3649, 0.4773, 0.4593 by changing the saturation by 10% instead.


 45.3649, 0.4773,
0.4593

 45.3649, 0.4773,
0.4593


368.2494, 0.4044,
0.4069

 31.7449, 0.4903,
0.4666


 83.2677, 0.4544,
0.4444

 21.1668, 0.5037,
0.4726


 108.3194, 0.4447,
0.4375

 13.2460, 0.5207,
0.4793


 137.9504, 0.4360,
0.4312

 7.5981, 0.5273,
0.4727

 172.5451, 0.4282,
0.4254

 3.8389, 0.5371,
0.4629

 212.4880, 0.4213,
0.4201

 1.5839, 0.5534,
0.4466

 258.1634, 0.4151,

 0.3467, 0.6386,

0.4153

0.3614

309.9557, 0.4095,
0.4109

■ 0.0000, 0.0000,
0.0000

■ 45.3649, 0.4773,
0.4593

■ 45.3649, 0.4773,
0.4593

■ 45.3679, 0.4773,
0.4593

■ 47.7921, 0.4673,
0.4606

■ 50.4015, 0.4544,
0.4575

■ 53.2212, 0.4388,
0.4496

■ 56.2664, 0.4210,
0.4374

■ 59.5500, 0.4019,
0.4219

■ 63.0835, 0.3825,
0.4041

■ 66.8774, 0.3635,
0.3852

■ 70.9411, 0.3453,
0.3660

■ 75.2838, 0.3283,
0.3471

Harmonies

Analogous

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



45.3649, 0.5216, 0.3848



45.3649, 0.4773, 0.4593



45.3649, 0.3940, 0.5210

Triad

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



45.3649, 0.4773, 0.4593



45.3649, 0.1538, 0.3017



45.3649, 0.2979, 0.2022

Complementary

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



45.3649, 0.4773, 0.4593



9.2148, 0.1585, 0.0904

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.



45.3649, 0.2090, 0.1778



45.3649, 0.4773, 0.4593



45.3649, 0.1387, 0.2183

Square

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



45.3649, 0.4773, 0.4593



45.3649, 0.2079, 0.4258



45.3649, 0.1569, 0.1810



45.3649, 0.4104, 0.2504

Rectangle

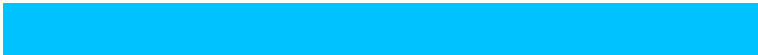
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3649, 0.4773, 0.4593



45.3649, 0.3291, 0.5314



45.3649, 0.1569, 0.1810



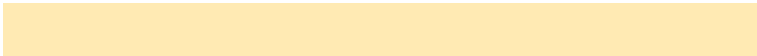
45.3649, 0.2644, 0.1912

Sweetspot

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



45.3679, 0.4773, 0.4593



83.6073, 0.3638, 0.3855



17.3765, 0.5855, 0.2999



17.4565, 0.3718, 0.3936



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.



45.3679, 0.4773, 0.4593



56.6150, 0.4776, 0.4590



66.9724, 0.3809, 0.5357



16.1284, 0.3274, 0.3461



25.6478, 0.4761, 0.4602



2.0465, 0.4660, 0.4682

Inverse Universe

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



9.2148, 0.1585, 0.0904



11.4075, 0.1582, 0.0896



6.4492, 0.1603, 0.0657



14.5132, 0.2981, 0.3113



5.3408, 0.1592, 0.0930



0.5448, 0.1670, 0.1213

Previews

White Background



This preview shows how the Yxy color 45.3649, 0.4773, 0.4593 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 45.3649, 0.4773, 0.4593 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 45.3649, 0.4773, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 45.3649, 0.4773, 0.4593.



This preview shows how white text looks on a background with the Yxy color 45.3649, 0.4773, 0.4593.

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

45.3649, 0.4773, 0.4593

Protanopia

45.3681, 0.4394, 0.4859

Deuteranopia

45.6198, 0.4725, 0.4630



Tritanopia

45.3292, 0.3819, 0.3158

Trichromacy



Original Color

45.3649, 0.4773, 0.4593

Protanomaly

45.2143, 0.4531, 0.4764

Deuteranomaly

45.4075, 0.4745, 0.4615

Tritanomaly

44.4053, 0.4368, 0.3876

Monochromacy



Original Color

45.3649, 0.4773, 0.4593

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.1432, 0.3895, 0.4099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3649, 0.4773, 0.4593 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(231, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 169, 0)  
}
```

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(231, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.3649, 0.4773, 0.4593 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(231, 169, 0) }
```

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

```
.border{ border-color:rgb(231, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(231, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 169,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3649, 0.4773, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 169, 0) }
```

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

```
.background{ background-color: rgb(231,  
169, 0) }
```

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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