

Converting Colors

$Yxy(49.0559, 0.4767, 0.4596)$

Have a look what the booklet for
Yxy(49.0559, 0.4767, 0.4596)
contains.

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Color

Yxy(49.0107, 0.4772, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	EFAF00
RGB	239, 175, 0
RGB Percent	94%, 69%, 0%
CMY	0.0628, 0.3137, 1.0000
CMYK	0.00, 0.27, 1.00, 0.06
HSL	44°, 100%, 47%
HSV	44°, 100%, 94%
XYZ	50.9208, 49.0107, 6.7759
YIQ	174.1860, 94.3190, -40.8570

Conversions

Conversions Part 2

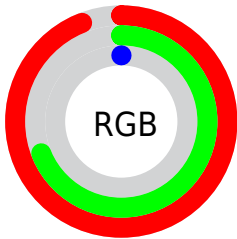
Format	Color
R _Y B	87, 239, 0
Decimal	15707904
CIE _{Lab}	75.46, 11.87, 78.43
CIE _{LCh}	75, 79.324, 81.391
Yxy	49.0107, 0.4772, 0.4593
Android (android.graphics.Color)	4293897984 (0xFFEFAF00)
YUV	174.1860, -85.8737, 56.8419
Hunter-Lab	70.0076, 7.3204, 43.2668

Details

The Yxy color **49.0107, 0.4772, 0.4593** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **9.8937, 0.1583, 0.0900**, and the grayscale version is **42.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4477, 0.4211, 0.4651**, and **23.5130, 0.4855, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **49.0123, 0.4772, 0.4593**, and if you desaturate by 10%, it is **51.6281, 0.4673, 0.4607**.

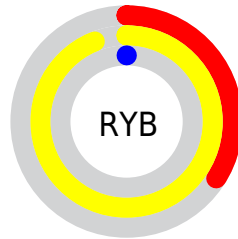
Distribution



Red (94%)

Green (69%)

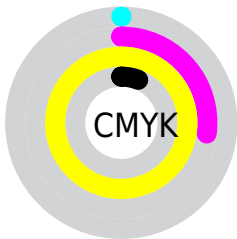
Blue (0%)



Red (34%)

Yellow (94%)

Blue (0%)

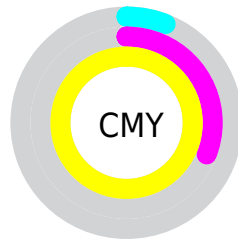


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0107, 0.4772, 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 49.0107, 0.4772, 0.4593 by changing the saturation by 10% instead.

 49.0107, 0.4772,
0.4593


 49.0107, 0.4772,
0.4593


382.7844, 0.4055,
0.4077


 34.6280, 0.4898,
0.4664


 88.7073, 0.4548,
0.4447


 23.3764, 0.5029,
0.4724


 114.7900, 0.4453,
0.4380

 14.8717, 0.5202,
0.4798


 145.5415, 0.4367,
0.4318

 8.7294, 0.5264,
0.4736

 181.3462, 0.4291,
0.4261

 4.5651, 0.5355,
0.4645

 222.5884, 0.4222,
0.4208

 1.9944, 0.5501,
0.4499

 269.6526, 0.4161,

 0.6042, 0.5886,

0.4161

0.4114

322.9231, 0.4105,
0.4117

■ 0.0000, 0.0000,
0.0000

■ 49.0107, 0.4772,
0.4593

■ 49.0107, 0.4772,
0.4593

■ 49.0123, 0.4772,
0.4593

■ 51.6281, 0.4673,
0.4607

■ 54.4433, 0.4545,
0.4577

■ 57.4856, 0.4389,
0.4498

■ 60.7715, 0.4211,
0.4376

■ 64.3149, 0.4021,
0.4221

■ 68.1285, 0.3826,
0.4043

■ 72.2235, 0.3635,
0.3854

■ 76.6104, 0.3453,
0.3661

■ 81.2988, 0.3283,
0.3472

Harmonies

Analogous

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



49.0107, 0.5215, 0.3848



49.0107, 0.4772, 0.4593



49.0107, 0.3939, 0.5209

Triad

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



49.0107, 0.4772, 0.4593



49.0107, 0.1539, 0.3017



49.0107, 0.2980, 0.2023

Complementary

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



49.0107, 0.4772, 0.4593



9.8937, 0.1583, 0.0900

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.



49.0107, 0.2091, 0.1778



49.0107, 0.4772, 0.4593



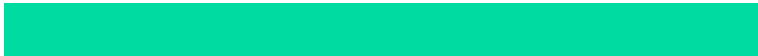
49.0107, 0.1388, 0.2184

Square

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



49.0107, 0.4772, 0.4593



49.0107, 0.2079, 0.4256



49.0107, 0.1570, 0.1811



49.0107, 0.4104, 0.2505

Rectangle

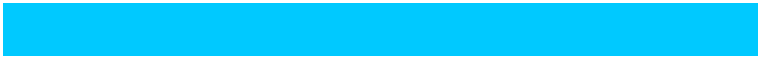
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0107, 0.4772, 0.4593



49.0107, 0.3291, 0.5313



49.0107, 0.1570, 0.1811



49.0107, 0.2645, 0.1913

Sweetspot

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



49.0132, 0.4772, 0.4593



83.6395, 0.3637, 0.3856



18.7606, 0.5860, 0.3002



17.4642, 0.3717, 0.3937



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.



49.0132, 0.4772, 0.4593



56.6947, 0.4774, 0.4591



72.3090, 0.3809, 0.5358



17.7016, 0.3275, 0.3462



27.3187, 0.4761, 0.4602



2.4354, 0.4669, 0.4675

Inverse Universe

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



9.8937, 0.1583, 0.0900



11.3845, 0.1582, 0.0895



6.9551, 0.1602, 0.0656



15.9169, 0.2980, 0.3112



5.6523, 0.1591, 0.0925



0.6286, 0.1660, 0.1176

Previews

White Background



This preview shows how the Yxy color 49.0107, 0.4772, 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 49.0107, 0.4772, 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 49.0107, 0.4772, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 49.0107, 0.4772, 0.4593.



This preview shows how white text looks on a background with the Yxy color 49.0107, 0.4772, 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

49.0107, 0.4772, 0.4593

Protanopia

49.2740, 0.4386, 0.4865

Deuteranopia

49.2771, 0.4727, 0.4629



Tritanopia

49.0637, 0.3815, 0.3162

Trichromacy



Original Color

49.0107, 0.4772, 0.4593

Protanomaly

49.2588, 0.4528, 0.4766

Deuteranomaly

49.0552, 0.4745, 0.4614

Tritanomaly

48.0182, 0.4373, 0.3889

Monochromacy



Original Color

49.0107, 0.4772, 0.4593

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.4256, 0.3897, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0107, 0.4772, 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(239, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 175, 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(239, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 175, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.0107, 0.4772, 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(239, 175, 0) }
```

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

```
.border{ border-color:rgb(239, 175, 0) }
```

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

Here you see how a box with a 4 pixel rgb(239, 175, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 175,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0107, 0.4772, 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(239, 175, 0) }
```

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

```
.background{ background-color: rgb(239,  
175, 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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