

Converting Colors

$Yxy(46.7548, 0.4894, 0.4496)$

Have a look what the booklet for
Yxy(46.7548, 0.4894, 0.4496)
contains.

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Color

Yxy(46.6921, 0.4892, 0.4498)

Conversions

Conversions Part 1

Format	Color
Hex	F3A700
RGB	243, 167, 0
RGB Percent	95%, 65%, 0%
CMY	0.0470, 0.3451, 1.0000
CMYK	0.00, 0.31, 1.00, 0.05
HSL	41°, 100%, 48%
HSV	41°, 100%, 95%
XYZ	50.7821, 46.6921, 6.3322
YIQ	170.6860, 98.9030, -35.8250

Conversions

Conversions Part 2

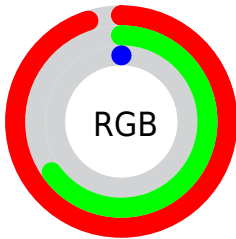
Format	Color
R _Y B	111, 243, 0
Decimal	15968000
CIE Lab	73.99, 17.82, 77.67
CIE LCh	74, 79.691, 77.077
Yxy	46.6921, 0.4892, 0.4498
Android (android.graphics.Color)	4294158080 (0xFFFF3A700)
YUV	170.6860, -84.1482, 63.4194
Hunter-Lab	68.3316, 13.0757, 42.3378

Details

The Yxy color **46.6921, 0.4892, 0.4498** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **11.6406, 0.1611, 0.1000**, and the grayscale version is **40.9538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0671, 0.4274, 0.4603**, and **22.0852, 0.5017, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **46.6947, 0.4892, 0.4498**, and if you desaturate by 10%, it is **49.6291, 0.4775, 0.4524**.

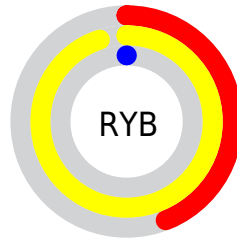
Distribution



Red (95%)

Green (65%)

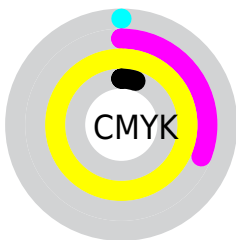
Blue (0%)



Red (44%)

Yellow (95%)

Blue (0%)

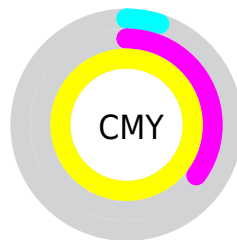


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6921, 0.4892, 0.4498 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 46.6921, 0.4892, 0.4498 by changing the saturation by 10% instead.

 46.6921, 0.4892,
0.4498

 46.6921, 0.4892,
0.4498


373.5842, 0.4109,
0.4038

 32.7923, 0.5034,
0.4553


 85.2538, 0.4645,
0.4375


 21.9674, 0.5183,
0.4591


 110.6846, 0.4540,
0.4315


 13.8329, 0.5372,
0.4628


 140.7278, 0.4447,
0.4259

 8.0046, 0.5468,
0.4532

 175.7678, 0.4364,
0.4207

 4.0979, 0.5608,
0.4392

 216.1891, 0.4289,
0.4159

 1.7285, 0.5834,
0.4166

 262.3759, 0.4223,

 0.4420, 0.6593,

0.4116

0.3407

314.7129, 0.4163,
0.4075

■ 0.0000, 0.0000,
0.0000

■ 46.6921, 0.4892,
0.4498

■ 46.6921, 0.4892,
0.4498

■ 46.6947, 0.4892,
0.4498

■ 49.6291, 0.4775,
0.4524

■ 52.8139, 0.4628,
0.4503

■ 56.2779, 0.4452,
0.4432

■ 60.0393, 0.4257,
0.4318

■ 64.1137, 0.4051,
0.4170

■ 68.5152, 0.3845,
0.4002

■ 73.2564, 0.3646,
0.3822

■ 78.3490, 0.3458,
0.3640

■ 83.8041, 0.3285,
0.3461

Harmonies

Analogous

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



46.6921, 0.5268, 0.3742



46.6921, 0.4892, 0.4498



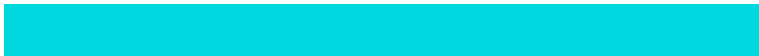
46.6921, 0.4081, 0.5175

Triad

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



46.6921, 0.4892, 0.4498



46.6921, 0.1565, 0.3172



46.6921, 0.2824, 0.1951

Complementary

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



46.6921, 0.4892, 0.4498



11.6406, 0.1611, 0.1000

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.



46.6921, 0.1973, 0.1742



46.6921, 0.4892, 0.4498



46.6921, 0.1361, 0.2251

Square

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



46.6921, 0.4892, 0.4498



46.6921, 0.2169, 0.4462



46.6921, 0.1499, 0.1817



46.6921, 0.3958, 0.2408

Rectangle

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



46.6921, 0.4892, 0.4498



46.6921, 0.3431, 0.5367



46.6921, 0.1499, 0.1817



46.6921, 0.2499, 0.1852

Sweetspot

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



46.6947, 0.4892, 0.4498



81.6878, 0.3647, 0.3823



19.5909, 0.5745, 0.2939



16.9961, 0.3730, 0.3900



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.



46.6947, 0.4892, 0.4498



52.0161, 0.4894, 0.4496



76.1725, 0.3867, 0.5311



18.3881, 0.3276, 0.3452



25.8780, 0.4878, 0.4509



2.4575, 0.4771, 0.4594

Inverse Universe

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



11.6406, 0.1611, 0.1000



12.9212, 0.1610, 0.0995



7.0192, 0.1574, 0.0641



16.7723, 0.2980, 0.3123



6.5999, 0.1619, 0.1027



0.7560, 0.1687, 0.1272

Previews

White Background



This preview shows how the Yxy color 46.6921, 0.4892, 0.4498 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 46.6921, 0.4892, 0.4498 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 46.6921, 0.4892, 0.4498

Background



This preview shows how black text looks on a background with the Yxy color 46.6921, 0.4892, 0.4498.



This preview shows how white text looks on a background with the Yxy color 46.6921, 0.4892, 0.4498.

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

46.6921, 0.4892, 0.4498

Protanopia

47.0262, 0.4387, 0.4856

Deuteranopia

46.8761, 0.4728, 0.4628



Tritanopia

46.5567, 0.3950, 0.3164

Trichromacy



Original Color

46.6921, 0.4892, 0.4498

Protanomaly

46.5263, 0.4572, 0.4728

Deuteranomaly

46.7880, 0.4783, 0.4584

Tritanomaly

45.6110, 0.4499, 0.3846

Monochromacy



Original Color

46.6921, 0.4892, 0.4498

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.7239, 0.3926, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6921, 0.4892, 0.4498 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(243, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 167, 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(243, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.6921, 0.4892, 0.4498 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(243, 167, 0) }
```

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

```
.border{ border-color:rgb(243, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(243, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6921, 0.4892, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 167, 0) }
```

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

```
.background{ background-color: rgb(243,  
167, 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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