

Converting Colors

Yxy(51.2813, 0.4905, 0.4469)

Have a look what the booklet for
Yxy(51.2813, 0.4905, 0.4469)
contains.

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Color

Yxy(51.1669, 0.4908, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD09
RGB	255, 173, 9
RGB Percent	100%, 68%, 4%
CMY	0.0000, 0.3215, 0.9645
CMYK	0.00, 0.32, 0.96, 0.00
HSL	40°, 100%, 52%
HSV	40°, 96%, 100%
XYZ	56.2309, 51.1669, 7.1721
YIQ	178.8220, 101.5160, -33.6200

Conversions

Conversions Part 2

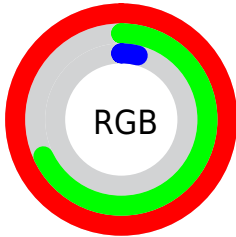
Format	Color
RYB	132, 255, 9
Decimal	16755977
CIELab	76.78, 19.83, 79.19
CIElCh	77, 81.638, 75.944
Yxy	51.1669, 0.4908, 0.4466
Android (android.graphics.Color)	4294946057 (0xFFFFAD09)
YUV	178.8220, -83.7222, 66.8081
Hunter-Lab	71.5310, 15.1404, 44.1270

Details

The Yxy color **51.1669, 0.4908, 0.4466** 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 **14.7663, 0.1647, 0.1111**, and the grayscale version is **45.3987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3869, 0.4212, 0.4618**, and **24.8812, 0.5035, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **50.0048, 0.4950, 0.4451**, and if you desaturate by 10%, it is **54.6329, 0.4774, 0.4484**.

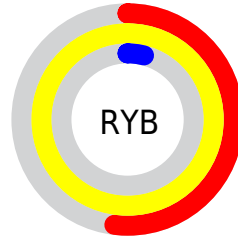
Distribution



Red (100%)

Green (68%)

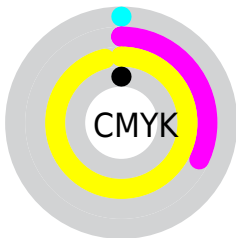
Blue (4%)



Red (52%)

Yellow (100%)

Blue (4%)

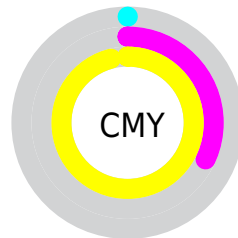


Cyan (0%)

Magenta (32%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1669, 0.4908, 0.4466 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 51.1669, 0.4908, 0.4466 by changing the saturation by 10% instead.


 51.1669, 0.4908,
0.4466

 51.1669, 0.4908,
0.4466


391.2119, 0.4128,
0.4031


 36.3415, 0.5049,
0.4517


 91.9014, 0.4662,
0.4351

 24.6980, 0.5200,
0.4552


 118.5793, 0.4558,
0.4295

 15.8522, 0.5387,
0.4584


 149.9768, 0.4466,
0.4242

 9.4196, 0.5498,
0.4502

 186.4782, 0.4383,
0.4193

 5.0159, 0.5636,
0.4364

 228.4681, 0.4308,
0.4147

 2.2566, 0.5850,
0.4150

 276.3307, 0.4242,

 0.7506, 0.6248,

0.4105

0.3752

330.4505, 0.4182,
0.4066

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1669, 0.4908,
0.4466

■ 51.1669, 0.4908,
0.4466

■ 50.0048, 0.4950,
0.4451

■ 54.6329, 0.4774,
0.4484

■ 58.4167, 0.4607,
0.4451

■ 62.5451, 0.4414,
0.4367

■ 67.0380, 0.4205,
0.4244

71.9129, 0.3992,
0.4092

77.1857, 0.3782,
0.3922

82.8708, 0.3582,
0.3745

88.9816, 0.3397,
0.3568

95.5308, 0.3228,
0.3396

Harmonies

Analogous

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



51.1669, 0.5258, 0.3715



51.1669, 0.4908, 0.4466



51.1669, 0.4114, 0.5146

Triad

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



51.1669, 0.4908, 0.4466



51.1669, 0.1588, 0.3218



51.1669, 0.2788, 0.1945

Complementary

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



51.1669, 0.4908, 0.4466



14.7663, 0.1647, 0.1111

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.



51.1669, 0.1955, 0.1746



51.1669, 0.4908, 0.4466



51.1669, 0.1371, 0.2283

Square

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



51.1669, 0.4908, 0.4466



51.1669, 0.2206, 0.4500



51.1669, 0.1496, 0.1833



51.1669, 0.3910, 0.2392

Rectangle

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



51.1669, 0.4908, 0.4466



51.1669, 0.3469, 0.5353



51.1669, 0.1496, 0.1833



51.1669, 0.2468, 0.1849

Sweetspot

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



51.1695, 0.4908, 0.4466



81.3866, 0.3632, 0.3791



22.2836, 0.5525, 0.2836



16.8998, 0.3717, 0.3866



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.



51.1695, 0.4908, 0.4466



50.0087, 0.4950, 0.4451



86.4552, 0.3930, 0.5248



20.0106, 0.3277, 0.3448



26.4166, 0.4935, 0.4464



2.7732, 0.4828, 0.4548

Inverse Universe

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



14.7663, 0.1647, 0.1111



13.7173, 0.1624, 0.1046



7.9956, 0.1575, 0.0653



18.3670, 0.2979, 0.3127



7.4114, 0.1632, 0.1075



0.9129, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 51.1669, 0.4908, 0.4466 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 51.1669, 0.4908, 0.4466 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 51.1669, 0.4908, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 51.1669, 0.4908, 0.4466.



This preview shows how white text looks on a background with the Yxy color 51.1669, 0.4908, 0.4466.

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

51.1669, 0.4908, 0.4466

Protanopia

51.1701, 0.4386, 0.4851

Deuteranopia

51.1678, 0.4727, 0.4629



Tritanopia

51.2654, 0.3881, 0.3187

Trichromacy



Original Color

51.1669, 0.4908, 0.4466

Protanomaly

50.9735, 0.4579, 0.4711

Deuteranomaly

50.8633, 0.4795, 0.4568

Tritanomaly

50.5031, 0.4428, 0.3834

Monochromacy



Original Color

51.1669, 0.4908, 0.4466

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9940, 0.3918, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1669, 0.4908, 0.4466 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(255, 173, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 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(255, 173, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 9) }
```

Border

The CSS property to change the border of an element to Yxy 51.1669, 0.4908, 0.4466 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(255, 173, 9) }
```

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

```
.border{ border-color:rgb(255, 173, 9) }
```

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

Here you see how a box with a 4 pixel rgb(255, 173, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1669, 0.4908, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 9) }
```

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

```
.background{ background-color: rgb(255,  
173, 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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