

Converting Colors

$Y_{xy}(47.3713, 0.5030, 0.4388)$

Have a look what the booklet for
Yxy(47.3713, 0.5030, 0.4388)
contains.

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Color

Yxy(47.4544, 0.5027, 0.4390)

Conversions

Conversions Part 1

Format	Color
Hex	FFA300
RGB	255, 163, 0
RGB Percent	100%, 64%, 0%
CMY	0.0000, 0.3608, 0.9991
CMYK	0.00, 0.36, 1.00, 0.00
HSL	38°, 100%, 50%
HSV	38°, 100%, 100%
XYZ	54.3402, 47.4544, 6.3020
YIQ	171.9260, 107.1550, -31.1890

Conversions

Conversions Part 2

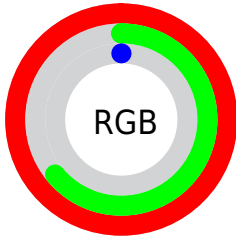
Format	Color
R _Y B	144, 255, 0
Decimal	16753408
CIE Lab	74.48, 24.99, 78.64
CIE LCh	74, 82.510, 72.373
Yxy	47.4544, 0.5027, 0.4390
Android (android.graphics.Color)	4294943488 (0xFFFFA300)
YUV	171.9260, -84.7595, 72.8559
Hunter-Lab	68.8872, 20.2534, 42.7970

Details

The Yxy color **47.4544, 0.5027, 0.4390** 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 **14.9172, 0.1645, 0.1120**, and the grayscale version is **41.6266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9673, 0.4302, 0.4572**, and **22.5753, 0.5183, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **47.4243, 0.5028, 0.4390**, and if you desaturate by 10%, it is **50.9187, 0.4890, 0.4429**.

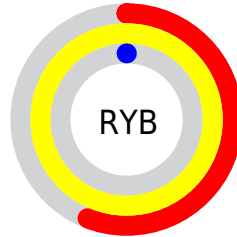
Distribution



Red (100%)

Green (64%)

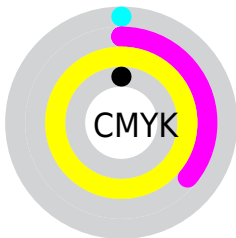
Blue (0%)



Red (56%)

Yellow (100%)

Blue (0%)

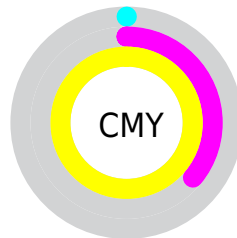


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4544, 0.5027, 0.4390 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 47.4544, 0.5027, 0.4390 by changing the saturation by 10% instead.


 47.4544, 0.5027,
0.4390


 47.4544, 0.5027,
0.4390


376.6254, 0.4181,
0.4001

 33.3950, 0.5182,
0.4426


 86.3915, 0.4759,
0.4295


 22.4292, 0.5348,
0.4439


 112.0380, 0.4646,
0.4245


 14.1726, 0.5557,
0.4443

 142.3157, 0.4545,
0.4197

 8.2408, 0.5684,
0.4316

 177.6089, 0.4455,
0.4152

 4.2494, 0.5868,
0.4132

 218.3021, 0.4375,
0.4110

 1.8140, 0.6157,
0.3843

 264.7797, 0.4304,

 0.4959, 0.6902,

0.4071

0.3098

317.4260, 0.4239,
0.4034

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.4544, 0.5027,
0.4390

■ 47.4544, 0.5027,
0.4390


■ 47.4243, 0.5028,
0.4390


■ 50.9187, 0.4890,
0.4429


■ 54.7196, 0.4721,
0.4420

■ 58.8915, 0.4523,
0.4358


■ 63.4567, 0.4307,
0.4253

 68.4344, 0.4084,
0.4114

 73.8420, 0.3865,
0.3956

 79.6951, 0.3656,
0.3786

 86.0086, 0.3462,
0.3615

 92.7961, 0.3285,
0.3448

Harmonies

Analogous

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



47.4544, 0.5325, 0.3624



47.4544, 0.5027, 0.4390



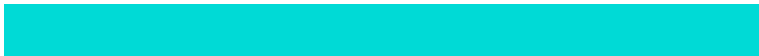
47.4544, 0.4241, 0.5128

Triad

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



47.4544, 0.5027, 0.4390



47.4544, 0.1594, 0.3359



47.4544, 0.2652, 0.1870

Complementary

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



47.4544, 0.5027, 0.4390



14.9172, 0.1645, 0.1120

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.



47.4544, 0.1845, 0.1700



47.4544, 0.5027, 0.4390



47.4544, 0.1331, 0.2332

Square

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



47.4544, 0.5027, 0.4390



47.4544, 0.2272, 0.4698



47.4544, 0.1421, 0.1823



47.4544, 0.3792, 0.2299

Rectangle

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



47.4544, 0.5027, 0.4390



47.4544, 0.3588, 0.5414



47.4544, 0.1421, 0.1823



47.4544, 0.2338, 0.1783

Sweetspot

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



47.4557, 0.5027, 0.4390



79.6378, 0.3658, 0.3788



22.0671, 0.5559, 0.2836



16.5061, 0.3744, 0.3860



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.



47.4557, 0.5027, 0.4390



47.4243, 0.5028, 0.4390



86.8977, 0.3956, 0.5241



19.9226, 0.3278, 0.3441



25.0737, 0.5011, 0.4403



2.6488, 0.4893, 0.4497

Inverse Universe

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



14.9172, 0.1645, 0.1120



14.8890, 0.1644, 0.1119



7.5688, 0.1542, 0.0624



18.4514, 0.2979, 0.3134



8.0367, 0.1652, 0.1148



0.9810, 0.1715, 0.1373

Previews

White Background



This preview shows how the Yxy color 47.4544, 0.5027, 0.4390 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 47.4544, 0.5027, 0.4390 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 47.4544, 0.5027, 0.4390

Background



This preview shows how black text looks on a background with the Yxy color 47.4544, 0.5027, 0.4390.



This preview shows how white text looks on a background with the Yxy color 47.4544, 0.5027, 0.4390.

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

47.4544, 0.5027, 0.4390

Protanopia

47.5900, 0.4383, 0.4853

Deuteranopia

47.4279, 0.4726, 0.4630



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.4544, 0.5027, 0.4390

Protanomaly

46.9245, 0.4623, 0.4682

Deuteranomaly

47.2747, 0.4835, 0.4543

Tritanomaly

46.7336, 0.4585, 0.3825

Monochromacy



Original Color

47.4544, 0.5027, 0.4390

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.0583, 0.3973, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4544, 0.5027, 0.4390 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, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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(255, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.4544, 0.5027, 0.4390 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, 163, 0) }
```

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

```
.border{ border-color:rgb(255, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4544, 0.5027, 0.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 0) }
```

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

```
.background{ background-color: rgb(255,  
163, 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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