

Converting Colors

Yxy(57.2427, 0.5115, 0.4000)

Have a look what the booklet for
Yxy(57.2427, 0.5115, 0.4000)
contains.

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Color

Yxy(48.2283, 0.4805, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	FFA444
RGB	255, 164, 68
RGB Percent	100%, 64%, 27%
CMY	0.0000, 0.3568, 0.7335
CMYK	0.00, 0.36, 0.73, 0.00
HSL	31°, 100%, 63%
HSV	31°, 73%, 100%
XYZ	55.5591, 48.2283, 11.8403
YIQ	180.2650, 85.0520, -10.5640

Conversions

Conversions Part 2

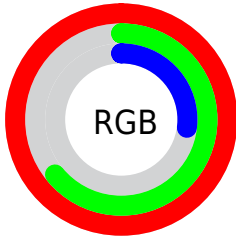
Format	Color
R_{YB}	245, 255, 68
Decimal	16753732
CIE _{Lab}	74.97, 25.96, 61.38
CIE _{LCh}	75, 66.643, 67.077
Yxy	48.2283, 0.4805, 0.4171
Android (android.graphics.Color)	4294943812 (0xFFFFA444)
YUV	180.2650, -55.3466, 65.5426
Hunter-Lab	69.4466, 21.2731, 38.5040

Details

The Yxy color **48.2283, 0.4805, 0.4171** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.2222, 0.1985, 0.2009**, and the grayscale version is **46.0586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3035, 0.4074, 0.4265**, and **22.9368, 0.5165, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **43.7577, 0.5056, 0.4188**, and if you desaturate by 10%, it is **53.2702, 0.4535, 0.4106**.

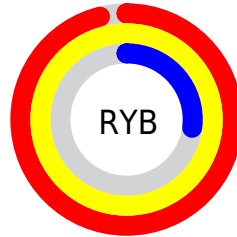
Distribution



Red (100%)

Green (64%)

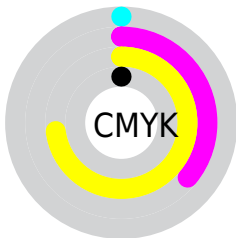
Blue (27%)



Red (96%)

Yellow (100%)

Blue (27%)

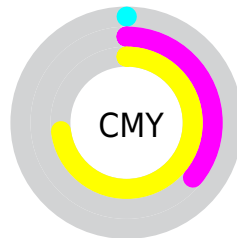


Cyan (0%)

Magenta (36%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2283, 0.4805, 0.4171 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 48.2283, 0.4805, 0.4171 by changing the saturation by 10% instead.


 48.2283, 0.4805,
0.4171

 48.2283, 0.4805,
0.4171


379.6963, 0.4013,
0.3827

 34.0077, 0.4973,
0.4219


 87.5442, 0.4537,
0.4074


 22.8995, 0.5168,
0.4258


 113.4084, 0.4430,
0.4029

 14.5193, 0.5390,
0.4275


 143.9225, 0.4337,
0.3987

 8.4827, 0.5706,
0.4294

 179.4709, 0.4255,
0.3949

 4.4054, 0.5892,
0.4108

 220.4381, 0.4184,
0.3914

 1.9028, 0.6183,
0.3817

267.2085, 0.4120,

 0.5501, 0.6852,

0.3883

0.3148

320.1665, 0.4064,
0.3854

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2283, 0.4805,
0.4171

■ 48.2283, 0.4805,
0.4171

■ 43.7577, 0.5056,
0.4188

■ 53.2702, 0.4535,
0.4106


■ 39.8226, 0.5273,
0.4149


■ 58.9064, 0.4263,
0.4004

■ 37.4802, 0.5396,
0.4098

■ 65.1631, 0.4003,
0.3879

■ 72.0635, 0.3761,
0.3742

 79.6288, 0.3543,
0.3601

 87.8795, 0.3350,
0.3464

 96.8346, 0.3179,
0.3332

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



48.2283, 0.4901, 0.3521



48.2283, 0.4805, 0.4171



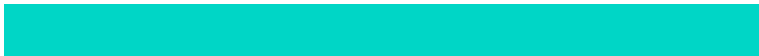
48.2283, 0.4242, 0.4756

Triad

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



48.2283, 0.4805, 0.4171



48.2283, 0.1940, 0.3552



48.2283, 0.2606, 0.2046

Complementary

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



48.2283, 0.4805, 0.4171



33.2222, 0.1985, 0.2009

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.



48.2283, 0.1968, 0.1945



48.2283, 0.4805, 0.4171



48.2283, 0.1627, 0.2651

Square

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



48.2283, 0.4805, 0.4171



48.2283, 0.2589, 0.4539



48.2283, 0.1644, 0.2125



48.2283, 0.3506, 0.2384

Rectangle

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



48.2283, 0.4805, 0.4171



48.2283, 0.3717, 0.4980



48.2283, 0.1644, 0.2125



48.2283, 0.2358, 0.1984

Sweetspot

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



48.2298, 0.4805, 0.4171



80.7062, 0.3516, 0.3582



27.9775, 0.4349, 0.2444



16.8156, 0.3571, 0.3620



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.



48.2298, 0.4805, 0.4171



41.8651, 0.5162, 0.4177



93.1967, 0.4095, 0.4890



19.5298, 0.3281, 0.3412



19.8845, 0.5371, 0.4118



2.1549, 0.5200, 0.4253

Inverse Universe

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



33.2222, 0.1985, 0.2009



26.1914, 0.1835, 0.1719



12.5746, 0.1718, 0.0960



18.8364, 0.2979, 0.3165



11.6074, 0.1758, 0.1529



1.3479, 0.1816, 0.1738

Previews

White Background



This preview shows how the Yxy color 48.2283, 0.4805, 0.4171 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 48.2283, 0.4805, 0.4171 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 48.2283, 0.4805, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 48.2283, 0.4805, 0.4171.



This preview shows how white text looks on a background with the Yxy color 48.2283, 0.4805, 0.4171.

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

48.2283, 0.4805, 0.4171

Protanopia

48.3141, 0.4161, 0.4565

Deuteranopia

48.4098, 0.4516, 0.4425



Tritanopia

48.1640, 0.3988, 0.3187

Trichromacy



Original Color

48.2283, 0.4805, 0.4171

Protanomaly

47.7595, 0.4401, 0.4413

Deuteranomaly

48.4120, 0.4624, 0.4335

Tritanomaly

48.0403, 0.4333, 0.3595

Monochromacy



Original Color

48.2283, 0.4805, 0.4171

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4016, 0.3740, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2283, 0.4805, 0.4171 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, 164, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 68)  
}
```

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, 164, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 68) }
```

Border

The CSS property to change the border of an element to Yxy 48.2283, 0.4805, 0.4171 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, 164, 68) }
```

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

```
.border{ border-color:rgb(255, 164, 68) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2283, 0.4805, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 68) }
```

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

```
.background{ background-color: rgb(255,  
164, 68) }
```

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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