

Converting Colors

Yxy(45.6824, 0.4765, 0.4174)

Have a look what the booklet for
Yxy(45.6824, 0.4765, 0.4174)
contains.

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Color

Yxy(45.6813, 0.4768, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	F7A144
RGB	247, 161, 68
RGB Percent	97%, 63%, 27%
CMY	0.0314, 0.3686, 0.7333
CMYK	0.00, 0.35, 0.72, 0.03
HSL	31°, 92%, 62%
HSV	31°, 72%, 97%
XYZ	52.1447, 45.6813, 11.5379
YIQ	176.1120, 81.1090, -10.6910

Conversions

Conversions Part 2

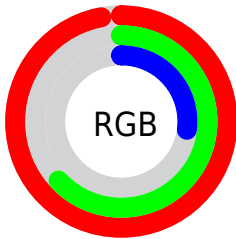
Format	Color
R _Y B	234, 247, 68
Decimal	16228676
CIE Lab	73.34, 24.24, 59.39
CIE LCh	73, 64.145, 67.798
Yxy	45.6813, 0.4768, 0.4177
Android (android.graphics.Color)	4294418756 (0xFFFF7A144)
YUV	176.1120, -53.2992, 62.1688
Hunter-Lab	67.5879, 19.4355, 37.1902

Details

The Yxy color **45.6813, 0.4768, 0.4177** 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 **31.0511, 0.1993, 0.2014**, and the grayscale version is **43.7310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7522, 0.4090, 0.4238**, and **21.3917, 0.5139, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **41.4904, 0.5019, 0.4201**, and if you desaturate by 10%, it is **50.3973, 0.4500, 0.4106**.

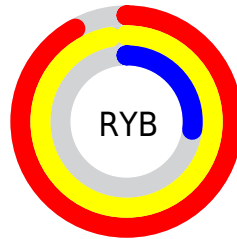
Distribution



Red (97%)

Green (63%)

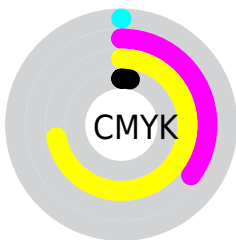
Blue (27%)



Red (92%)

Yellow (97%)

Blue (27%)

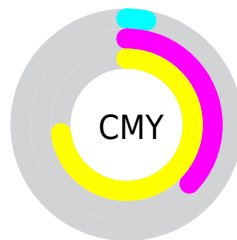


Cyan (0%)

Magenta (35%)

Yellow (72%)

Black (3%)



Cyan (3%)


Magenta (37%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6813, 0.4768, 0.4177 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 45.6813, 0.4768, 0.4177 by changing the saturation by 10% instead.

 45.6813, 0.4768,
0.4177


 45.6813, 0.4768,
0.4177


369.5259, 0.3984,
0.3821

 31.9944, 0.4937,
0.4229


 83.7418, 0.4501,
0.4074


 21.3572, 0.5133,
0.4274


 108.8843, 0.4395,
0.4027

 13.3854, 0.5358,
0.4296


 138.6140, 0.4303,
0.3984

 7.6944, 0.5678,
0.4322

 173.3154, 0.4222,
0.3945

 3.9001, 0.5866,
0.4134

 213.3729, 0.4152,
0.3910

 1.6178, 0.6166,
0.3834

259.1709, 0.4090,

 0.3696, 0.7193,

0.3877

0.2807

311.0938, 0.4034,
0.3848

■ 0.0000, 0.0000,
0.0000

■ 45.6813, 0.4768,
0.4177

■ 45.6813, 0.4768,
0.4177

■ 41.4904, 0.5019,
0.4201

■ 50.3973, 0.4500,
0.4106

■ 37.7896, 0.5236,
0.4169


■ 55.6562, 0.4232,
0.4000


■ 35.3009, 0.5375,
0.4114


■ 61.4826, 0.3976,
0.3872

■ 67.8972, 0.3738,
0.3733

■ 74.9195, 0.3524,
0.3592

 82.5676, 0.3333,
0.3453

 90.8590, 0.3165,
0.3321

 98.5131, 0.3078,
0.3290

Harmonies

Analogous

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



45.6813, 0.4872, 0.3537



45.6813, 0.4768, 0.4177



45.6813, 0.4210, 0.4743

Triad

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



45.6813, 0.4768, 0.4177



45.6813, 0.1950, 0.3524



45.6813, 0.2635, 0.2071

Complementary

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



45.6813, 0.4768, 0.4177



31.0511, 0.1993, 0.2014

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.



45.6813, 0.1999, 0.1966



45.6813, 0.4768, 0.4177



45.6813, 0.1648, 0.2648

Square

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



45.6813, 0.4768, 0.4177



45.6813, 0.2583, 0.4491



45.6813, 0.1672, 0.2138



45.6813, 0.3522, 0.2410

Rectangle

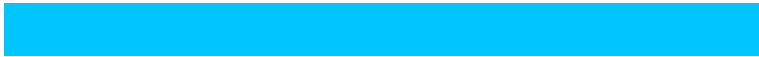
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.6813, 0.4768, 0.4177



45.6813, 0.3692, 0.4950



45.6813, 0.1672, 0.2138



45.6813, 0.2389, 0.2008

Sweetspot

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



45.6836, 0.4768, 0.4177



80.8935, 0.3515, 0.3586



26.2580, 0.4369, 0.2478



16.8598, 0.3571, 0.3624



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.



45.6836, 0.4768, 0.4177



42.6847, 0.5125, 0.4193



86.1704, 0.4066, 0.4893



17.9071, 0.3281, 0.3413



18.9569, 0.5350, 0.4134



1.8719, 0.5166, 0.4280

Inverse Universe

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



31.0511, 0.1993, 0.2014



26.2211, 0.1838, 0.1720



12.1887, 0.1746, 0.0992



17.2403, 0.2980, 0.3164



10.7670, 0.1753, 0.1512



1.1510, 0.1818, 0.1744

Previews

White Background



This preview shows how the Yxy color 45.6813, 0.4768, 0.4177 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 45.6813, 0.4768, 0.4177 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 45.6813, 0.4768, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 45.6813, 0.4768, 0.4177.



This preview shows how white text looks on a background with the Yxy color 45.6813, 0.4768, 0.4177.

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

45.6813, 0.4768, 0.4177

Protanopia

45.9597, 0.4145, 0.4553

Deuteranopia

45.5150, 0.4503, 0.4401



Tritanopia

45.6245, 0.4044, 0.3176

Trichromacy



Original Color

45.6813, 0.4768, 0.4177

Protanomaly

45.6454, 0.4372, 0.4413

Deuteranomaly

45.3544, 0.4605, 0.4315

Tritanomaly

45.5104, 0.4356, 0.3578

Monochromacy



Original Color

45.6813, 0.4768, 0.4177

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.4885, 0.3722, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6813, 0.4768, 0.4177 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(247, 161, 68)` looks like.

```
.text, #text, p{  
    color:rgb(247, 161, 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(247, 161, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 161, 68) }
```

Border

The CSS property to change the border of an element to Yxy 45.6813, 0.4768, 0.4177 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(247, 161, 68) }
```

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

```
.border{ border-color:rgb(247, 161, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 161, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 161, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 161, 68);  
box-shadow:4px 4px 4px 4px rgb(247, 161,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6813, 0.4768, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 161, 68) }
```

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

```
.background{ background-color: rgb(247,  
161, 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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