

Converting Colors

$Y_{xy}(74.1641, 0.5413, 0.3764)$

Have a look what the booklet for
Yxy(74.1641, 0.5413, 0.3764)
contains.

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Color

Yxy(48.0336, 0.4738, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	FFA350
RGB	255, 163, 80
RGB Percent	100%, 64%, 31%
CMY	0.0001, 0.3607, 0.6864
CMYK	0.00, 0.36, 0.69, 0.00
HSL	28°, 100%, 66%
HSV	28°, 69%, 100%
XYZ	55.7802, 48.0336, 13.9156
YIQ	181.0460, 81.4750, -6.3090

Conversions

Conversions Part 2

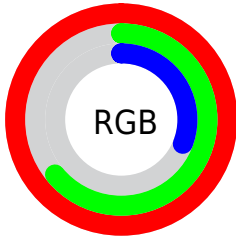
Format	Color
RYB	255, 238, 80
Decimal	16753488
CIELab	74.85, 27.04, 55.89
CIElCh	75, 62.086, 64.182
Yxy	48.0336, 0.4738, 0.4080
Android (android.graphics.Color)	4294943568 (0xFFFFA350)
YUV	181.0460, -49.8157, 64.8577
Hunter-Lab	69.3063, 22.3773, 36.6099

Details

The Yxy color **48.0336, 0.4738, 0.4080** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **38.4066, 0.2067, 0.2200**, and the grayscale version is **46.4767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0688, 0.4010, 0.4157**, and **22.7855, 0.5103, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **43.2185, 0.5020, 0.4113**, and if you desaturate by 10%, it is **53.5007, 0.4447, 0.4004**.

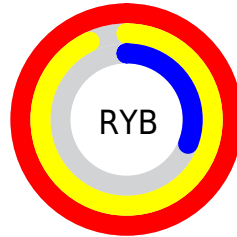
Distribution



Red (100%)

Green (64%)

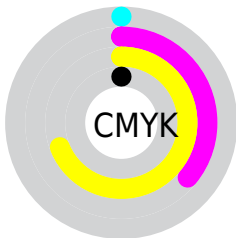
Blue (31%)



Red (100%)

Yellow (93%)

Blue (31%)

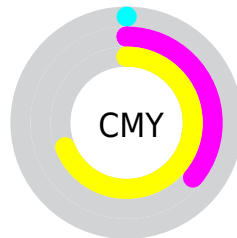


Cyan (0%)

Magenta (36%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0336, 0.4738, 0.4080 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 48.0336, 0.4738, 0.4080 by changing the saturation by 10% instead.


 48.0336, 0.4738,
0.4080


 48.0336, 0.4738,
0.4080


378.9253, 0.3966,
0.3767

 33.8535, 0.4908,
0.4126


 87.2544, 0.4472,
0.3989


 22.7811, 0.5109,
0.4167


 113.0639, 0.4368,
0.3948


 14.4319, 0.5345,
0.4190

 143.5187, 0.4277,
0.3910

 8.4217, 0.5656,
0.4198

 179.0031, 0.4198,
0.3876

 4.3659, 0.5933,
0.4067

 219.9016, 0.4129,
0.3845

 1.8803, 0.6235,
0.3765

266.5985, 0.4068,

 0.5365, 0.6936,

0.3816

0.3064

319.4783, 0.4014,
0.3790

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.0336, 0.4738,
0.4080

48.0336, 0.4738,
0.4080

43.2185, 0.5020,
0.4113

53.5007, 0.4447,
0.4004

39.0153, 0.5274,
0.4092

59.6419, 0.4165,
0.3899

35.3854, 0.5485,
0.4017

66.4867, 0.3901,
0.3777

34.9291, 0.5512,
0.4005

74.0602, 0.3663,
0.3647

82.3862, 0.3452,
0.3518

91.4870, 0.3267,
0.3392

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



48.0336, 0.4765, 0.3464



48.0336, 0.4738, 0.4080



48.0336, 0.4252, 0.4633

Triad

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



48.0336, 0.4738, 0.4080



48.0336, 0.2060, 0.3632



48.0336, 0.2570, 0.2093

Complementary

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



48.0336, 0.4738, 0.4080



38.4066, 0.2067, 0.2200

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.



48.0336, 0.1991, 0.2024



48.0336, 0.4738, 0.4080



48.0336, 0.1725, 0.2767

Square

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



48.0336, 0.4738, 0.4080



48.0336, 0.2703, 0.4514



48.0336, 0.1709, 0.2229



48.0336, 0.3398, 0.2396

Rectangle

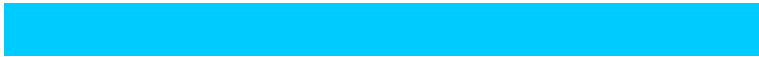
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0336, 0.4738, 0.4080



48.0336, 0.3771, 0.4854



48.0336, 0.1709, 0.2229



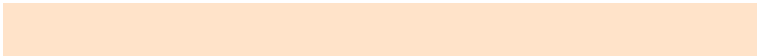
48.0336, 0.2344, 0.2042

Sweetspot

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



48.0361, 0.4738, 0.4080



80.3595, 0.3500, 0.3548



30.0199, 0.4152, 0.2412



16.7025, 0.3557, 0.3584



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.



48.0361, 0.4738, 0.4080



41.7432, 0.5110, 0.4112



89.6801, 0.4093, 0.4792



19.4087, 0.3282, 0.3403



18.5479, 0.5485, 0.4027



2.0228, 0.5300, 0.4174

Inverse Universe

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



38.4066, 0.2067, 0.2200



31.5025, 0.1920, 0.1950



15.5485, 0.1807, 0.1139



18.9577, 0.2979, 0.3174



12.9836, 0.1795, 0.1660



1.4830, 0.1850, 0.1858

Previews

White Background



This preview shows how the Yxy color 48.0336, 0.4738, 0.4080 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 48.0336, 0.4738, 0.4080 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 48.0336, 0.4738, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 48.0336, 0.4738, 0.4080.



This preview shows how white text looks on a background with the Yxy color 48.0336, 0.4738, 0.4080.

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

48.0336, 0.4738, 0.4080

Protanopia

48.3652, 0.4073, 0.4452

Deuteranopia

48.2445, 0.4424, 0.4340



Tritanopia

48.1640, 0.3988, 0.3187

Trichromacy



Original Color

48.0336, 0.4738, 0.4080

Protanomaly

47.7723, 0.4317, 0.4319

Deuteranomaly

47.8530, 0.4539, 0.4242

Tritanomaly

47.8055, 0.4300, 0.3544

Monochromacy



Original Color

48.0336, 0.4738, 0.4080

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.6956, 0.3705, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0336, 0.4738, 0.4080 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 80) }
```

Border

The CSS property to change the border of an element to Yxy 48.0336, 0.4738, 0.4080 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, 80) }
```

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

```
.border{ border-color:rgb(255, 163, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0336, 0.4738, 0.4080 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, 80) }
```

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

```
.background{ background-color: rgb(255,  
163, 80) }
```

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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