

Converting Colors

$Y_{xy}(47.4468, 0.4785, 0.4106)$

Have a look what the booklet for
Yxy(47.4468, 0.4785, 0.4106)
contains.

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Color

Yxy(47.6087, 0.4780, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	FFA24B
RGB	255, 162, 75
RGB Percent	100%, 64%, 29%
CMY	0.0000, 0.3647, 0.7057
CMYK	0.00, 0.36, 0.71, 0.00
HSL	29°, 100%, 65%
HSV	29°, 71%, 100%
XYZ	55.4372, 47.6087, 12.9315
YIQ	179.8890, 83.3550, -7.3410

Conversions

Conversions Part 2

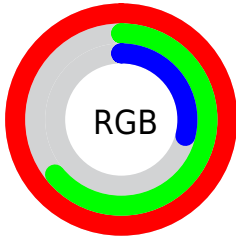
Format	Color
R_{YB}	255, 243, 75
Decimal	16753227
CIE _{Lab}	74.58, 27.34, 57.86
CIE _{LCh}	75, 63.992, 64.710
Yxy	47.6087, 0.4780, 0.4105
Android (android.graphics.Color)	4294943307 (0xFFFFA24B)
YUV	179.8890, -51.7103, 65.8723
Hunter-Lab	68.9991, 22.6672, 37.1875

Details

The Yxy color **47.6087, 0.4780, 0.4105** 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 **36.7409, 0.2038, 0.2142**, and the grayscale version is **45.8285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4442, 0.4041, 0.4185**, and **22.5398, 0.5149, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **42.9229, 0.5054, 0.4130**, and if you desaturate by 10%, it is **52.9182, 0.4493, 0.4035**.

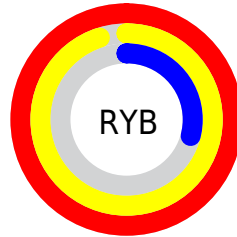
Distribution



Red (100%)

Green (64%)

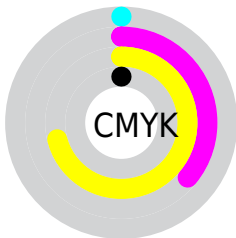
Blue (29%)



Red (100%)

Yellow (95%)

Blue (29%)

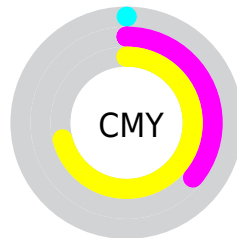


Cyan (0%)

Magenta (36%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6087, 0.4780, 0.4105 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 47.6087, 0.4780, 0.4105 by changing the saturation by 10% instead.


 47.6087, 0.4780,
0.4105


 47.6087, 0.4780,
0.4105


377.2390, 0.3990,
0.3785

 33.5171, 0.4952,
0.4150


 86.6215, 0.4510,
0.4014

 22.5229, 0.5154,
0.4188


 112.3115, 0.4403,
0.3972

 14.2416, 0.5388,
0.4205


 142.6365, 0.4310,
0.3933

 8.2889, 0.5717,
0.4220

 177.9807, 0.4229,
0.3898

 4.2804, 0.5950,
0.4050

 218.7287, 0.4159,
0.3866

 1.8316, 0.6259,
0.3741

265.2649, 0.4096,

 0.5068, 0.7010,

0.3837

0.2990

317.9735, 0.4040,
0.3810

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.6087, 0.4780,
0.4105

47.6087, 0.4780,
0.4105

42.9229, 0.5054,
0.4130

52.9182, 0.4493,
0.4035

38.8323, 0.5296,
0.4100

58.8847, 0.4212,
0.3932

35.4782, 0.5486,
0.4026

65.5335, 0.3947,
0.3810

72.8895, 0.3705,
0.3679

80.9760, 0.3490,
0.3547

89.8149, 0.3301,
0.3418

99.4272, 0.3136,
0.3297

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.



47.6087, 0.4823, 0.3473



47.6087, 0.4780, 0.4105



47.6087, 0.4268, 0.4677

Triad

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



47.6087, 0.4780, 0.4105



47.6087, 0.2017, 0.3624



47.6087, 0.2565, 0.2065

Complementary

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



47.6087, 0.4780, 0.4105



36.7409, 0.2038, 0.2142

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.



47.6087, 0.1966, 0.1988



47.6087, 0.4780, 0.4105



47.6087, 0.1683, 0.2733

Square

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



47.6087, 0.4780, 0.4105



47.6087, 0.2672, 0.4548



47.6087, 0.1674, 0.2189



47.6087, 0.3421, 0.2378

Rectangle

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



47.6087, 0.4780, 0.4105



47.6087, 0.3770, 0.4908



47.6087, 0.1674, 0.2189



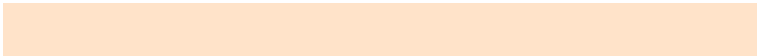
47.6087, 0.2332, 0.2011

Sweetspot

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



47.6073, 0.4780, 0.4105



80.6139, 0.3499, 0.3553



29.2391, 0.4195, 0.2400



16.7628, 0.3556, 0.3589



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.



47.6073, 0.4780, 0.4105



41.0401, 0.5166, 0.4124



89.5209, 0.4111, 0.4817



19.4356, 0.3282, 0.3405



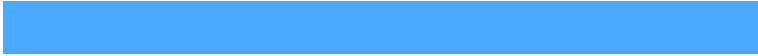
18.8340, 0.5460, 0.4047



2.0513, 0.5278, 0.4191

Inverse Universe

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



36.7409, 0.2038, 0.2142



29.5362, 0.1886, 0.1868



14.6087, 0.1775, 0.1085



18.9307, 0.2979, 0.3172



12.6664, 0.1786, 0.1630



1.4521, 0.1842, 0.1831

Previews

White Background



This preview shows how the Yxy color 47.6087, 0.4780, 0.4105 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 47.6087, 0.4780, 0.4105 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 47.6087, 0.4780, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 47.6087, 0.4780, 0.4105.



This preview shows how white text looks on a background with the Yxy color 47.6087, 0.4780, 0.4105.

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

47.6087, 0.4780, 0.4105

Protanopia

47.7275, 0.4103, 0.4494

Deuteranopia

47.7858, 0.4463, 0.4369



Tritanopia

47.4559, 0.4006, 0.3177

Trichromacy



Original Color

47.6087, 0.4780, 0.4105

Protanomaly

47.3032, 0.4358, 0.4352

Deuteranomaly

47.4076, 0.4579, 0.4270

Tritanomaly

47.4072, 0.4325, 0.3554

Monochromacy



Original Color

47.6087, 0.4780, 0.4105

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.1055, 0.3717, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6087, 0.4780, 0.4105 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, 162, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 75)  
}
```

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, 162, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 75) }
```

Border

The CSS property to change the border of an element to Yxy 47.6087, 0.4780, 0.4105 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, 162, 75) }
```

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

```
.border{ border-color:rgb(255, 162, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 162, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6087, 0.4780, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 75) }
```

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

```
.background{ background-color: rgb(255,  
162, 75) }
```

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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