

Converting Colors

$Y_{xy}(47.4938, 0.4773, 0.4091)$

Have a look what the booklet for
Yxy(47.4938, 0.4773, 0.4091)
contains.

Yxy(47.6365, 0.4767, 0.4092)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6365, 0.4767, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	FFA24D
RGB	255, 162, 77
RGB Percent	100%, 64%, 30%
CMY	0.0001, 0.3646, 0.6982
CMYK	0.00, 0.36, 0.70, 0.00
HSL	29°, 100%, 65%
HSV	29°, 70%, 100%
XYZ	55.4944, 47.6365, 13.2828
YIQ	180.1170, 82.7130, -6.7190

Conversions

Conversions Part 2

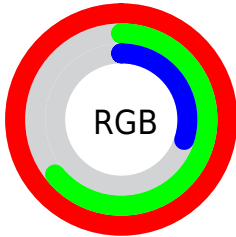
Format	Color
R _Y B	255, 240, 77
Decimal	16753229
CIE Lab	74.60, 27.41, 57.01
CIE LCh	75, 63.252, 64.325
Yxy	47.6365, 0.4767, 0.4092
Android (android.graphics.Color)	4294943309 (0xFFFFA24D)
YUV	180.1170, -50.8367, 65.6724
Hunter-Lab	69.0192, 22.7381, 36.9030

Details

The Yxy color **47.6365, 0.4767, 0.4092** 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 **37.5161, 0.2051, 0.2169**, and the grayscale version is **45.9527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4707, 0.4034, 0.4176**, and **22.5512, 0.5136, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **42.9007, 0.5045, 0.4120**, and if you desaturate by 10%, it is **53.0150, 0.4478, 0.4020**.

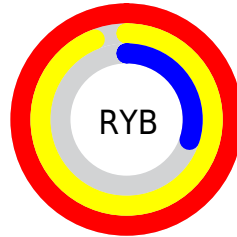
Distribution



Red (100%)

Green (64%)

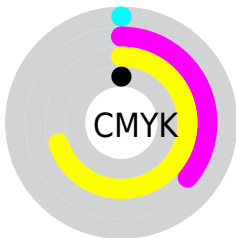
Blue (30%)



Red (100%)

Yellow (94%)

Blue (30%)

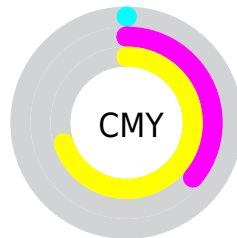


Cyan (0%)

Magenta (36%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (36%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6365, 0.4767, 0.4092 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 47.6365, 0.4767, 0.4092 by changing the saturation by 10% instead.


 47.6365, 0.4767,
0.4092


 47.6365, 0.4767,
0.4092


377.3495, 0.3982,
0.3776


 33.5391, 0.4939,
0.4137


 86.6629, 0.4498,
0.4001

 22.5398, 0.5141,
0.4176


 112.3608, 0.4391,
0.3960


 14.2540, 0.5378,
0.4194


 142.6942, 0.4299,
0.3922

 8.2976, 0.5701,
0.4205

 178.0477, 0.4219,
0.3887

 4.2859, 0.5952,
0.4048

 218.8056, 0.4149,
0.3856

 1.8348, 0.6261,
0.3739

265.3522, 0.4087,

 0.5087, 0.7009,

0.3827

0.2991

318.0721, 0.4031,
0.3800

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6365, 0.4767,
0.4092

■ 47.6365, 0.4767,
0.4092

■ 42.9007, 0.5045,
0.4120

■ 53.0150, 0.4478,
0.4020

■ 38.7673, 0.5293,
0.4093

■ 59.0583, 0.4195,
0.3917

■ 35.1945, 0.5499,
0.4015

■ 65.7959, 0.3930,
0.3795

■ 35.1341, 0.5502,
0.4013

■ 73.2528, 0.3689,
0.3665

81.4527, 0.3475,
0.3534

90.4179, 0.3288,
0.3408

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



47.6365, 0.4801, 0.3466



47.6365, 0.4767, 0.4092



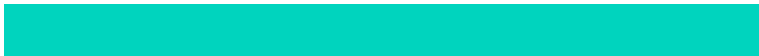
47.6365, 0.4267, 0.4658

Triad

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



47.6365, 0.4767, 0.4092



47.6365, 0.2036, 0.3634



47.6365, 0.2562, 0.2074

Complementary

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



47.6365, 0.4767, 0.4092



37.5161, 0.2051, 0.2169

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.



47.6365, 0.1972, 0.2001



47.6365, 0.4767, 0.4092



47.6365, 0.1699, 0.2750

Square

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



47.6365, 0.4767, 0.4092



47.6365, 0.2688, 0.4540



47.6365, 0.1686, 0.2206



47.6365, 0.3407, 0.2382

Rectangle

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



47.6365, 0.4767, 0.4092



47.6365, 0.3776, 0.4887



47.6365, 0.1686, 0.2206



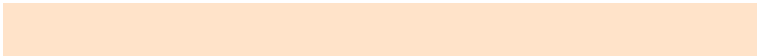
47.6365, 0.2332, 0.2021

Sweetspot

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



47.6389, 0.4767, 0.4092



80.4560, 0.3499, 0.3550



29.5337, 0.4178, 0.2404



16.7253, 0.3557, 0.3586



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.



47.6389, 0.4767, 0.4092



41.1066, 0.5154, 0.4115



89.5742, 0.4104, 0.4808



19.4189, 0.3282, 0.3404



18.6557, 0.5476, 0.4034



2.0336, 0.5292, 0.4180

Inverse Universe

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



37.5161, 0.2051, 0.2169



30.3576, 0.1899, 0.1903



14.9650, 0.1787, 0.1106



18.9474, 0.2979, 0.3174



12.8624, 0.1791, 0.1649



1.4712, 0.1847, 0.1848

Previews

White Background



This preview shows how the Yxy color 47.6365, 0.4767, 0.4092 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 47.6365, 0.4767, 0.4092 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 47.6365, 0.4767, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 47.6365, 0.4767, 0.4092.



This preview shows how white text looks on a background with the Yxy color 47.6365, 0.4767, 0.4092.

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

47.6365, 0.4767, 0.4092

Protanopia

47.7584, 0.4090, 0.4476

Deuteranopia

47.7990, 0.4457, 0.4361



Tritanopia

47.4559, 0.4006, 0.3177

Trichromacy



Original Color

47.6365, 0.4767, 0.4092

Protanomaly

47.3327, 0.4345, 0.4335

Deuteranomaly

47.4210, 0.4573, 0.4263

Tritanomaly

47.4350, 0.4315, 0.3543

Monochromacy



Original Color

47.6365, 0.4767, 0.4092

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.1357, 0.3708, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6365, 0.4767, 0.4092 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 77) }
```

Border

The CSS property to change the border of an element to Yxy 47.6365, 0.4767, 0.4092 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, 77) }
```

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

```
.border{ border-color:rgb(255, 162, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6365, 0.4767, 0.4092 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, 77) }
```

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

```
.background{ background-color: rgb(255,  
162, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor