

Converting Colors

Yxy(55.9704, 0.5026, 0.4045)

Have a look what the booklet for
Yxy(55.9704, 0.5026, 0.4045)
contains.

Yxy(48.9746, 0.4774, 0.4177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9746, 0.4774, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	FFA646
RGB	255, 166, 70
RGB Percent	100%, 65%, 27%
CMY	0.0001, 0.3489, 0.7254
CMYK	0.00, 0.35, 0.73, 0.00
HSL	31°, 100%, 64%
HSV	31°, 73%, 100%
XYZ	55.9743, 48.9746, 12.2993
YIQ	181.6670, 83.8600, -10.9880

Conversions

Conversions Part 2

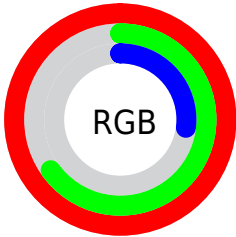
Format	Color
R_{YB}	242, 255, 70
Decimal	16754246
CIE _{Lab}	75.44, 24.98, 60.97
CIE _{LCh}	75, 65.888, 67.717
Yxy	48.9746, 0.4774, 0.4177
Android (android.graphics.Color)	4294944326 (0xFFFFA646)
YUV	181.6670, -55.0518, 64.3130
Hunter-Lab	69.9819, 20.3033, 38.5671

Details

The Yxy color **48.9746, 0.4774, 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 **33.3052, 0.1991, 0.2012**, and the grayscale version is **46.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4030, 0.4051, 0.4265**, and **23.3918, 0.5125, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **44.4721, 0.5025, 0.4200**, and if you desaturate by 10%, it is **54.0438, 0.4506, 0.4107**.

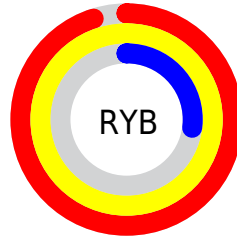
Distribution



Red (100%)

Green (65%)

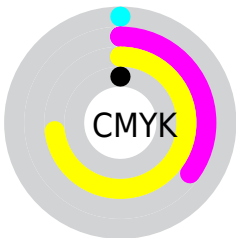
Blue (27%)



Red (95%)

Yellow (100%)

Blue (27%)

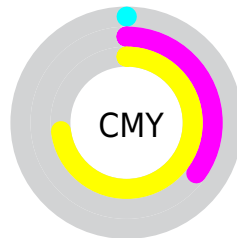


Cyan (0%)

Magenta (35%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9746, 0.4774, 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 48.9746, 0.4774, 0.4177 by changing the saturation by 10% instead.

 48.9746, 0.4774,
0.4177


 48.9746, 0.4774,
0.4177


382.6423, 0.3998,
0.3827


 34.5993, 0.4939,
0.4228


 88.6537, 0.4511,
0.4077

 23.3544, 0.5130,
0.4271

 114.7264, 0.4406,
0.4031


 14.8554, 0.5349,
0.4294


 145.4669, 0.4315,
0.3989

 8.7180, 0.5667,
0.4328

 181.2598, 0.4235,
0.3950

 4.5577, 0.5847,
0.4153

 222.4894, 0.4165,
0.3915

 1.9902, 0.6123,
0.3877

269.5401, 0.4103,

 0.6017, 0.6714,

0.3883

322.7963, 0.4047,
0.3854

0.3286

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.9746, 0.4774,
0.4177

48.9746, 0.4774,
0.4177

44.4721, 0.5025,
0.4200

54.0438, 0.4506,
0.4107


40.4982, 0.5242,
0.4167

59.6990, 0.4237,
0.4001


37.8519, 0.5379,
0.4111

65.9669, 0.3979,
0.3874

72.8698, 0.3741,
0.3735

 80.4289, 0.3526,
0.3593

 88.6639, 0.3335,
0.3454

 97.5935, 0.3166,
0.3322

99.9945, 0.3127,
0.3290

Harmonies

Analogous

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



48.9746, 0.4877, 0.3535



48.9746, 0.4774, 0.4177



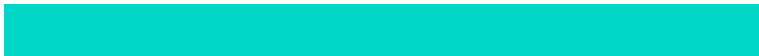
48.9746, 0.4214, 0.4747

Triad

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



48.9746, 0.4774, 0.4177



48.9746, 0.1947, 0.3528



48.9746, 0.2631, 0.2067

Complementary

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



48.9746, 0.4774, 0.4177



33.3052, 0.1991, 0.2012

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.



48.9746, 0.1994, 0.1963



48.9746, 0.4774, 0.4177



48.9746, 0.1644, 0.2648

Square

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



48.9746, 0.4774, 0.4177



48.9746, 0.2583, 0.4499



48.9746, 0.1667, 0.2135



48.9746, 0.3521, 0.2406

Rectangle

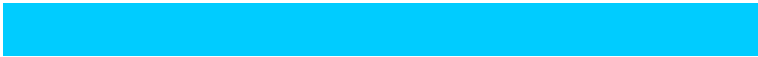
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.9746, 0.4774, 0.4177



48.9746, 0.3695, 0.4956



48.9746, 0.1667, 0.2135



48.9746, 0.2385, 0.2004

Sweetspot

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



48.9771, 0.4774, 0.4177



80.8767, 0.3515, 0.3585



28.1543, 0.4374, 0.2477



16.8559, 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.



48.9771, 0.4774, 0.4177



42.6468, 0.5127, 0.4192



92.6186, 0.4068, 0.4895



19.5470, 0.3281, 0.3414



20.0843, 0.5355, 0.4130



2.1744, 0.5186, 0.4264

Inverse Universe

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



33.3052, 0.1991, 0.2012



26.2562, 0.1839, 0.1722



13.0207, 0.1743, 0.0987



18.8193, 0.2979, 0.3163



11.4229, 0.1753, 0.1511



1.3296, 0.1812, 0.1721

Previews

White Background



This preview shows how the Yxy color 48.9746, 0.4774, 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 48.9746, 0.4774, 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 48.9746, 0.4774, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 48.9746, 0.4774, 0.4177.



This preview shows how white text looks on a background with the Yxy color 48.9746, 0.4774, 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

48.9746, 0.4774, 0.4177

Protanopia

49.3278, 0.4144, 0.4562

Deuteranopia

49.0053, 0.4500, 0.4409



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.9746, 0.4774, 0.4177

Protanomaly

48.5819, 0.4372, 0.4417

Deuteranomaly

48.8298, 0.4599, 0.4325

Tritanomaly

48.7941, 0.4303, 0.3595

Monochromacy



Original Color

48.9746, 0.4774, 0.4177

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5291, 0.3734, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9746, 0.4774, 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(255, 166, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 70)  
}
```

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, 166, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 70) }
```

Border

The CSS property to change the border of an element to Yxy 48.9746, 0.4774, 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(255, 166, 70) }
```

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

```
.border{ border-color:rgb(255, 166, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9746, 0.4774, 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(255, 166, 70) }
```

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

```
.background{ background-color: rgb(255,  
166, 70) }
```

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