

Converting Colors

$Y_{xy}(55.3984, 0.4906, 0.3911)$

Have a look what the booklet for
Yxy(55.3984, 0.4906, 0.3911)
contains.

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Color

Yxy(48.5491, 0.4659, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	FFA45A
RGB	255, 164, 90
RGB Percent	100%, 64%, 35%
CMY	0.0000, 0.3569, 0.6472
CMYK	0.00, 0.36, 0.65, 0.00
HSL	27°, 100%, 68%
HSV	27°, 65%, 100%
XYZ	56.3644, 48.5491, 16.0661
YIQ	182.7730, 77.9900, -3.7220

Conversions

Conversions Part 2

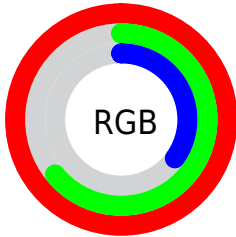
Format	Color
R _Y B	255, 224, 90
Decimal	16753754
CIE Lab	75.17, 27.10, 51.50
CIE LCh	75, 58.199, 62.248
Yxy	48.5491, 0.4659, 0.4013
Android (android.graphics.Color)	4294943834 (0xFFFFA45A)
YUV	182.7730, -45.7371, 63.3431
Hunter-Lab	69.6772, 22.4600, 35.1030

Details

The Yxy color **48.5491, 0.4659, 0.4013** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.4282, 0.2131, 0.2332**, and the grayscale version is **47.4436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8760, 0.3939, 0.4072**, and **23.2042, 0.5027, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **43.4287, 0.4960, 0.4058**, and if you desaturate by 10%, it is **54.3738, 0.4358, 0.3930**.

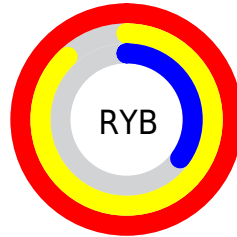
Distribution



Red (100%)

Green (64%)

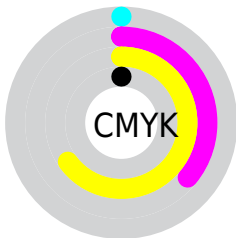
Blue (35%)



Red (100%)

Yellow (88%)

Blue (35%)

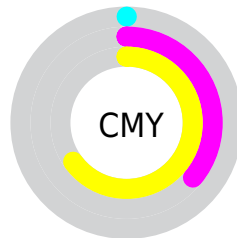


Cyan (0%)

Magenta (36%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5491, 0.4659, 0.4013 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 48.5491, 0.4659, 0.4013 by changing the saturation by 10% instead.

 48.5491, 0.4659,
0.4013

 48.5491, 0.4659,
0.4013


380.9645, 0.3918,
0.3722


 34.2619, 0.4826,
0.4059


 88.0214, 0.4402,
0.3926


 23.0949, 0.5026,
0.4102


 113.9753, 0.4301,
0.3888

 14.6636, 0.5266,
0.4131


 144.5869, 0.4215,
0.3853

 8.5836, 0.5560,
0.4132

 180.2407, 0.4139,
0.3822

 4.4706, 0.5928,
0.4072

221.3209, 0.4074,
0.3793

 1.9401, 0.6226,
0.3774

268.2120, 0.4016,

 0.5723, 0.6877,

0.3767

0.3123

321.2984, 0.3964,
0.3743

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.5491, 0.4659,
0.4013

48.5491, 0.4659,
0.4013

43.4287, 0.4960,
0.4058

54.3738, 0.4358,
0.3930

38.9801, 0.5241,
0.4054

60.9352, 0.4073,
0.3823

35.1643, 0.5480,
0.3993

68.2615, 0.3813,
0.3703

33.3824, 0.5589,
0.3944

76.3794, 0.3581,
0.3580

 85.3142, 0.3378,
0.3458

 95.0900, 0.3202,
0.3342

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.



48.5491, 0.4643, 0.3428



48.5491, 0.4659, 0.4013



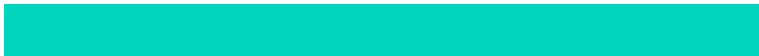
48.5491, 0.4233, 0.4532

Triad

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



48.5491, 0.4659, 0.4013



48.5491, 0.2157, 0.3670



48.5491, 0.2563, 0.2146

Complementary

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



48.5491, 0.4659, 0.4013



42.4282, 0.2131, 0.2332

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.



48.5491, 0.2029, 0.2098



48.5491, 0.4659, 0.4013



48.5491, 0.1814, 0.2852

Square

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



48.5491, 0.4659, 0.4013



48.5491, 0.2783, 0.4463



48.5491, 0.1778, 0.2317



48.5491, 0.3330, 0.2421

Rectangle

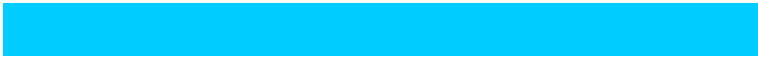
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.5491, 0.4659, 0.4013



48.5491, 0.3791, 0.4742



48.5491, 0.1778, 0.2317



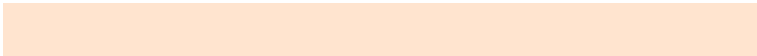
48.5491, 0.2354, 0.2103

Sweetspot

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



48.5486, 0.4659, 0.4013



81.3861, 0.3462, 0.3510



32.0067, 0.3994, 0.2390



16.8766, 0.3520, 0.3545



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.



48.5486, 0.4659, 0.4013



41.8961, 0.5055, 0.4063



86.6979, 0.4087, 0.4698



19.3287, 0.3283, 0.3397



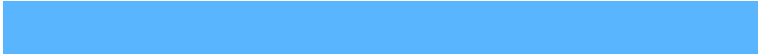
17.7311, 0.5561, 0.3966



1.9407, 0.5367, 0.4121

Inverse Universe

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



42.4282, 0.2131, 0.2332



35.2552, 0.1979, 0.2096



18.6943, 0.1890, 0.1313



19.0385, 0.2979, 0.3181



13.9695, 0.1819, 0.1749



1.5784, 0.1872, 0.1939

Previews

White Background



This preview shows how the Yxy color 48.5491, 0.4659, 0.4013 looks on a white background.

Color Contrast Check

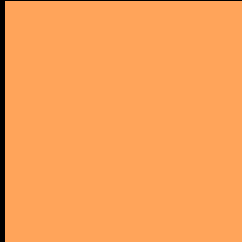
Large Text (above 18pt) WCAG AA × Fail

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 48.5491, 0.4659, 0.4013 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 48.5491, 0.4659, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 48.5491, 0.4659, 0.4013.



This preview shows how white text looks on a background with the Yxy color 48.5491, 0.4659, 0.4013.

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

48.5491, 0.4659, 0.4013

Protanopia

48.9600, 0.4000, 0.4362

Deuteranopia

48.7904, 0.4351, 0.4266



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.5491, 0.4659, 0.4013

Protanomaly

48.3369, 0.4240, 0.4237

Deuteranomaly

48.3868, 0.4463, 0.4171

Tritanomaly

48.2951, 0.4246, 0.3503

Monochromacy



Original Color

48.5491, 0.4659, 0.4013

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7759, 0.3663, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5491, 0.4659, 0.4013 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, 164, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 90)  
}
```

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, 164, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 90) }
```

Border

The CSS property to change the border of an element to Yxy 48.5491, 0.4659, 0.4013 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, 164, 90) }
```

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

```
.border{ border-color:rgb(255, 164, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5491, 0.4659, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 90) }
```

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

```
.background{ background-color: rgb(255,  
164, 90) }
```

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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