

Converting Colors

$Yxy(66.3234, 0.5174, 0.3792)$

Have a look what the booklet for
Yxy(66.3234, 0.5174, 0.3792)
contains.

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Color

Yxy(48.9430, 0.4636, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	FFA55C
RGB	255, 165, 92
RGB Percent	100%, 65%, 36%
CMY	0.0000, 0.3529, 0.6394
CMYK	0.00, 0.35, 0.64, 0.00
HSL	27°, 100%, 68%
HSV	27°, 64%, 100%
XYZ	56.6258, 48.9430, 16.5749
YIQ	183.5880, 77.0730, -3.6230

Conversions

Conversions Part 2

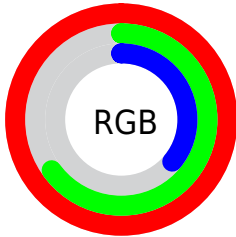
Format	Color
R_{YB}	255, 224, 92
Decimal	16754012
CIE _{Lab}	75.42, 26.69, 50.82
CIE _{LCh}	75, 57.405, 62.296
Yxy	48.9430, 0.4636, 0.4007
Android (android.graphics.Color)	4294944092 (0xFFFFA55C)
YUV	183.5880, -45.1529, 62.6283
Hunter-Lab	69.9593, 22.0512, 34.9244

Details

The Yxy color **48.9430, 0.4636, 0.4007** 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 **42.9232, 0.2142, 0.2346**, and the grayscale version is **47.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4600, 0.3921, 0.4062**, and **23.4468, 0.4992, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **43.7707, 0.4938, 0.4056**, and if you desaturate by 10%, it is **54.8280, 0.4336, 0.3922**.

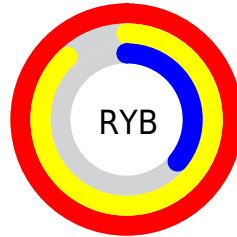
Distribution



Red (100%)

Green (65%)

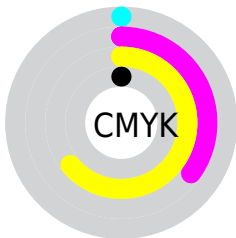
Blue (36%)



Red (100%)

Yellow (88%)

Blue (36%)

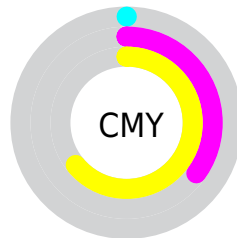


Cyan (0%)

Magenta (35%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9430, 0.4636, 0.4007 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 48.9430, 0.4636, 0.4007 by changing the saturation by 10% instead.


 48.9430, 0.4636,
0.4007


 48.9430, 0.4636,
0.4007


382.5179, 0.3906,
0.3716


 34.5743, 0.4800,
0.4054


 88.6068, 0.4382,
0.3920


 23.3351, 0.4998,
0.4098


 114.6706, 0.4283,
0.3882

 14.8411, 0.5237,
0.4131


 145.4016, 0.4198,
0.3847

 8.7080, 0.5526,
0.4134

 181.1842, 0.4124,
0.3816

 4.5512, 0.5908,
0.4092

222.4027, 0.4059,
0.3787

 1.9864, 0.6198,
0.3802

269.4416, 0.4002,

 0.5996, 0.6812,

0.3761

0.3188

322.6852, 0.3952,
0.3738

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.9430, 0.4636,
0.4007

48.9430, 0.4636,
0.4007

43.7707, 0.4938,
0.4056

54.8280, 0.4336,
0.3922

39.2714, 0.5221,
0.4055


61.4505, 0.4052,
0.3814

35.4088, 0.5464,
0.3999

68.8409, 0.3794,
0.3694

33.3537, 0.5590,
0.3943

77.0260, 0.3565,
0.3570

 86.0311, 0.3364,
0.3449

 95.8800, 0.3189,
0.3334

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.



48.9430, 0.4619, 0.3430



48.9430, 0.4636, 0.4007



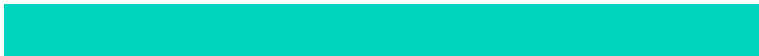
48.9430, 0.4218, 0.4516

Triad

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



48.9430, 0.4636, 0.4007



48.9430, 0.2172, 0.3663



48.9430, 0.2573, 0.2162

Complementary

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



48.9430, 0.4636, 0.4007



42.9232, 0.2142, 0.2346

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.



48.9430, 0.2045, 0.2114



48.9430, 0.4636, 0.4007



48.9430, 0.1832, 0.2860

Square

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



48.9430, 0.4636, 0.4007



48.9430, 0.2789, 0.4440



48.9430, 0.1796, 0.2332



48.9430, 0.3329, 0.2434

Rectangle

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



48.9430, 0.4636, 0.4007



48.9430, 0.3782, 0.4720



48.9430, 0.1796, 0.2332



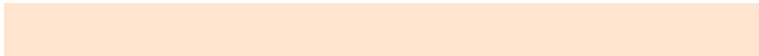
48.9430, 0.2367, 0.2119

Sweetspot

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



48.9450, 0.4636, 0.4007



81.3728, 0.3462, 0.3510



32.3801, 0.3979, 0.2397



16.8734, 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.



48.9450, 0.4636, 0.4007



42.3251, 0.5028, 0.4061



86.8113, 0.4079, 0.4686



19.3272, 0.3283, 0.3397



17.7160, 0.5563, 0.3965



1.9392, 0.5368, 0.4120

Inverse Universe

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



42.9232, 0.2142, 0.2346



35.7834, 0.1989, 0.2115



19.1566, 0.1904, 0.1337



19.0401, 0.2979, 0.3181



13.9890, 0.1820, 0.1751



1.5803, 0.1873, 0.1941

Previews

White Background



This preview shows how the Yxy color 48.9430, 0.4636, 0.4007 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 48.9430, 0.4636, 0.4007 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 48.9430, 0.4636, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 48.9430, 0.4636, 0.4007.



This preview shows how white text looks on a background with the Yxy color 48.9430, 0.4636, 0.4007.

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

48.9430, 0.4636, 0.4007

Protanopia

48.9978, 0.3986, 0.4341

Deuteranopia

48.9885, 0.4346, 0.4245



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.9430, 0.4636, 0.4007

Protanomaly

48.3733, 0.4226, 0.4218

Deuteranomaly

48.9760, 0.4450, 0.4160

Tritanomaly

48.6728, 0.4231, 0.3503

Monochromacy



Original Color

48.9430, 0.4636, 0.4007

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3803, 0.3651, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9430, 0.4636, 0.4007 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, 165, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 92)  
}
```

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, 165, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 92) }
```

Border

The CSS property to change the border of an element to Yxy 48.9430, 0.4636, 0.4007 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, 165, 92) }
```

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

```
.border{ border-color:rgb(255, 165, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9430, 0.4636, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 92) }
```

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

```
.background{ background-color: rgb(255,  
165, 92) }
```

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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