

Converting Colors

$Y_{xy}(45.7566, 0.4675, 0.3995)$

Have a look what the booklet for
Yxy(45.7566, 0.4675, 0.3995)
contains.

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Color

Yxy(45.8248, 0.4673, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	FA9F58
RGB	250, 159, 88
RGB Percent	98%, 62%, 35%
CMY	0.0197, 0.3764, 0.6550
CMYK	0.00, 0.36, 0.65, 0.02
HSL	26°, 94%, 66%
HSV	26°, 65%, 98%
XYZ	53.5750, 45.8248, 15.2482
YIQ	178.1150, 77.0270, -2.7890

Conversions

Conversions Part 2

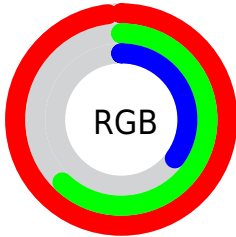
Format	Color
R _Y B	250, 214, 88
Decimal	16424792
CIE Lab	73.43, 27.55, 50.33
CIE LCh	73, 57.377, 61.310
Yxy	45.8248, 0.4673, 0.3997
Android (android.graphics.Color)	4294614872 (0xFFFA9F58)
YUV	178.1150, -44.4267, 63.0431
Hunter-Lab	67.6940, 22.8055, 34.0306

Details

The Yxy color **45.8248, 0.4673, 0.3997** 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 **41.1821, 0.2136, 0.2354**, and the grayscale version is **44.7946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2466, 0.3975, 0.4045**, and **21.4741, 0.5052, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **40.9249, 0.4979, 0.4040**, and if you desaturate by 10%, it is **51.4193, 0.4368, 0.3917**.

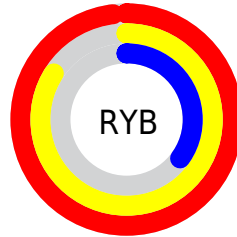
Distribution



Red (98%)

Green (62%)

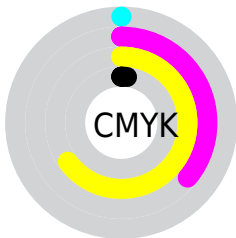
Blue (35%)



Red (98%)

Yellow (84%)

Blue (35%)

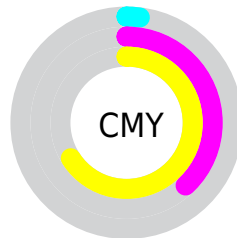


Cyan (0%)

Magenta (36%)

Yellow (65%)

Black (2%)



Cyan (2%)


Magenta (38%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8248, 0.4673, 0.3997 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 45.8248, 0.4673, 0.3997 by changing the saturation by 10% instead.


 45.8248, 0.4673,
0.3997


 45.8248, 0.4673,
0.3997


370.1038, 0.3917,
0.3711

 32.1076, 0.4845,
0.4042


 83.9567, 0.4409,
0.3912

 21.4437, 0.5053,
0.4082


 109.1402, 0.4306,
0.3874

 13.4487, 0.5304,
0.4107


 138.9147, 0.4218,
0.3840

 7.7383, 0.5622,
0.4107

 173.6643, 0.4141,
0.3809

 3.9279, 0.5986,
0.4014

213.7737, 0.4075,
0.3781

 1.6333, 0.6315,
0.3685

259.6272, 0.4016,

 0.3799, 0.7340,

0.3755

0.2660

311.6091, 0.3964,
0.3732

0.0000, 0.0000,
0.0000

45.8248, 0.4673,
0.3997

45.8248, 0.4673,
0.3997

40.9249, 0.4979,
0.4040

51.4193, 0.4368,
0.3917

36.6793, 0.5264,
0.4033

57.7319, 0.4080,
0.3812


33.0521, 0.5507,
0.3971

64.7930, 0.3817,
0.3695

31.3913, 0.5617,
0.3922

72.6292, 0.3584,
0.3574

81.2654, 0.3380,
0.3455

 90.7251, 0.3203,
0.3342

 99.0583, 0.3096,
0.3290

Harmonies

Analogous

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



45.8248, 0.4641, 0.3410



45.8248, 0.4673, 0.3997



45.8248, 0.4256, 0.4524

Triad

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



45.8248, 0.4673, 0.3997



45.8248, 0.2169, 0.3700



45.8248, 0.2539, 0.2136

Complementary

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



45.8248, 0.4673, 0.3997



41.1821, 0.2136, 0.2354

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.



45.8248, 0.2012, 0.2095



45.8248, 0.4673, 0.3997



45.8248, 0.1815, 0.2871

Square

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



45.8248, 0.4673, 0.3997



45.8248, 0.2804, 0.4488



45.8248, 0.1769, 0.2325



45.8248, 0.3305, 0.2406

Rectangle

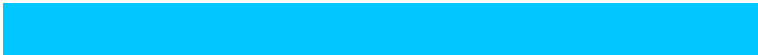
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8248, 0.4673, 0.3997



45.8248, 0.3816, 0.4744



45.8248, 0.1769, 0.2325



45.8248, 0.2333, 0.2095

Sweetspot

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



45.8271, 0.4673, 0.3997



81.1196, 0.3463, 0.3505



30.5798, 0.3995, 0.2390



16.8125, 0.3522, 0.3539



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.



45.8271, 0.4673, 0.3997



41.2923, 0.5076, 0.4044



82.8548, 0.4088, 0.4698



18.4778, 0.3283, 0.3394



16.9306, 0.5589, 0.3945



1.7751, 0.5382, 0.4109

Inverse Universe

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



41.1821, 0.2136, 0.2354



35.9821, 0.1986, 0.2124



17.8549, 0.1890, 0.1312



18.2598, 0.2980, 0.3183



13.9564, 0.1829, 0.1785



1.5037, 0.1884, 0.1981

Previews

White Background



This preview shows how the Yxy color 45.8248, 0.4673, 0.3997 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 45.8248, 0.4673, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

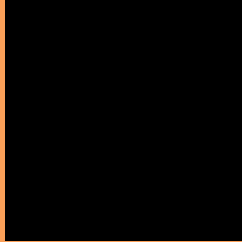
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8248, 0.4673, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 45.8248, 0.4673, 0.3997.



This preview shows how white text looks on a background with the Yxy color 45.8248, 0.4673, 0.3997.

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

45.8248, 0.4673, 0.3997

Protanopia

46.0161, 0.3989, 0.4356

Deuteranopia

45.8489, 0.4350, 0.4259



Tritanopia

46.0019, 0.4063, 0.3177

Trichromacy



Original Color

45.8248, 0.4673, 0.3997

Protanomaly

45.5653, 0.4245, 0.4224

Deuteranomaly

45.6330, 0.4474, 0.4158

Tritanomaly

45.7431, 0.4310, 0.3493

Monochromacy



Original Color

45.8248, 0.4673, 0.3997

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.0075, 0.3668, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8248, 0.4673, 0.3997 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(250, 159, 88)` looks like.

```
.text, #text, p{  
    color:rgb(250, 159, 88)  
}
```

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(250, 159, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 159, 88) }
```

Border

The CSS property to change the border of an element to Yxy 45.8248, 0.4673, 0.3997 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(250, 159, 88) }
```

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

```
.border{ border-color:rgb(250, 159, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 159, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 159, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 159, 88);  
box-shadow:4px 4px 4px 4px rgb(250, 159,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8248, 0.4673, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 159, 88) }
```

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

```
.background{ background-color: rgb(250,  
159, 88) }
```

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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