

Converting Colors

$Y_{xy}(45.8480, 0.4629, 0.3827)$

Have a look what the booklet for
Yxy(45.8480, 0.4629, 0.3827)
contains.

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Color

Yxy(45.9962, 0.4625, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C66
RGB	255, 156, 102
RGB Percent	100%, 61%, 40%
CMY	0.0002, 0.3881, 0.6000
CMYK	0.00, 0.39, 0.60, 0.00
HSL	21°, 100%, 70%
HSV	21°, 60%, 100%
XYZ	55.5147, 45.9962, 18.5209
YIQ	179.4450, 76.3380, 4.1940

Conversions

Conversions Part 2

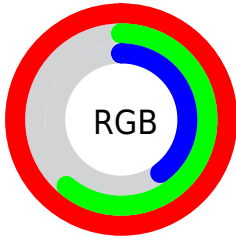
Format	Color
R _Y B	255, 185, 102
Decimal	16751718
CIE Lab	73.54, 31.99, 43.57
CIE LCh	74, 54.053, 53.712
Yxy	45.9962, 0.4625, 0.3832
Android (android.graphics.Color)	4294941798 (0xFFFF9C66)
YUV	179.4450, -38.1804, 66.2617
Hunter-Lab	67.8205, 27.4260, 31.2830

Details

The Yxy color **45.9962, 0.4625, 0.3832** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.7777, 0.2237, 0.2610**, and the grayscale version is **45.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1816, 0.3889, 0.3878**, and **21.6270, 0.5012, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **40.4034, 0.4974, 0.3875**, and if you desaturate by 10%, it is **52.5005, 0.4292, 0.3759**.

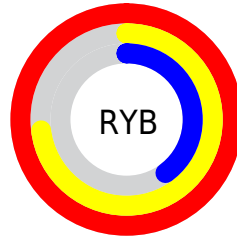
Distribution



Red (100%)

Green (61%)

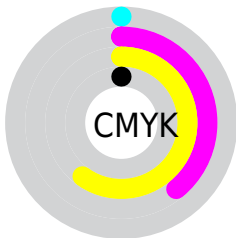
Blue (40%)



Red (100%)

Yellow (73%)

Blue (40%)

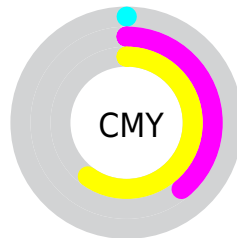


Cyan (0%)

Magenta (39%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9962, 0.4625, 0.3832 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 45.9962, 0.4625, 0.3832 by changing the saturation by 10% instead.


 45.9962, 0.4625,
0.3832


 45.9962, 0.4625,
0.3832


370.7934, 0.3883,
0.3618

 32.2428, 0.4800,
0.3864


 84.2133, 0.4362,
0.3770


 21.5470, 0.5015,
0.3892


 109.4458, 0.4261,
0.3742

 13.5245, 0.5282,
0.3907


 139.2735, 0.4174,
0.3716

 7.7907, 0.5616,
0.3887

 174.0808, 0.4100,
0.3692

 3.9613, 0.6143,
0.3857

214.2520, 0.4035,
0.3671

 1.6519, 0.6506,
0.3494

260.1716, 0.3978,

 0.3922, 0.7527,

0.3652

0.2473

312.2239, 0.3928,
0.3634

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9962, 0.4625,
0.3832

■ 45.9962, 0.4625,
0.3832

■ 40.4034, 0.4974,
0.3875

■ 52.5005, 0.4292,
0.3759

■ 35.6701, 0.5315,
0.3876

■ 59.9504, 0.3989,
0.3669

■ 31.7491, 0.5617,
0.3826

■ 68.3869, 0.3722,
0.3572

■ 28.5770, 0.5859,
0.3730

■ 77.8460, 0.3491,
0.3474

■ 28.5756, 0.5859,
0.3730

■ 88.3619, 0.3294,
0.3379

99.9672, 0.3127,
0.3290

99.9917, 0.3127,
0.3290

Harmonies

Analogous

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



45.9962, 0.4467, 0.3273



45.9962, 0.4625, 0.3832



45.9962, 0.4332, 0.4354

Triad

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



45.9962, 0.4625, 0.3832



45.9962, 0.2355, 0.3884



45.9962, 0.2421, 0.2161

Complementary

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



45.9962, 0.4625, 0.3832



51.7777, 0.2237, 0.2610

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.



45.9962, 0.1984, 0.2186



45.9962, 0.4625, 0.3832



45.9962, 0.1940, 0.3080

Square

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



45.9962, 0.4625, 0.3832



45.9962, 0.3008, 0.4533



45.9962, 0.1820, 0.2482



45.9962, 0.3100, 0.2366

Rectangle

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



45.9962, 0.4625, 0.3832



45.9962, 0.3955, 0.4605



45.9962, 0.1820, 0.2482



45.9962, 0.2245, 0.2142

Sweetspot

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



45.9986, 0.4625, 0.3832



79.8893, 0.3449, 0.3454



34.9904, 0.3750, 0.2320



16.4741, 0.3511, 0.3483



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.



45.9986, 0.4625, 0.3832



39.4018, 0.5044, 0.3879



79.9311, 0.4105, 0.4526



19.0368, 0.3285, 0.3375



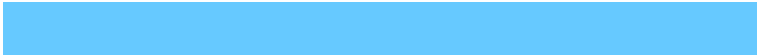
15.1904, 0.5829, 0.3754



1.6756, 0.5612, 0.3926

Inverse Universe

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



51.7777, 0.2237, 0.2610



45.4623, 0.2104, 0.2445



24.6936, 0.2013, 0.1611



19.3382, 0.2980, 0.3204



18.1096, 0.1913, 0.2087



1.9691, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 45.9962, 0.4625, 0.3832 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 45.9962, 0.4625, 0.3832 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 45.9962, 0.4625, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 45.9962, 0.4625, 0.3832.



This preview shows how white text looks on a background with the Yxy color 45.9962, 0.4625, 0.3832.

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

45.9962, 0.4625, 0.3832

Protanopia

46.2012, 0.3859, 0.4178

Deuteranopia

46.2986, 0.4237, 0.4150



Tritanopia

45.9664, 0.4073, 0.3188

Trichromacy



Original Color

45.9962, 0.4625, 0.3832

Protanomaly

45.6478, 0.4135, 0.4045

Deuteranomaly

46.0307, 0.4383, 0.4035

Tritanomaly

45.9359, 0.4282, 0.3429

Monochromacy



Original Color

45.9962, 0.4625, 0.3832

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.6256, 0.3642, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9962, 0.4625, 0.3832 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, 156, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 102)  
}
```

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, 156, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 102) }
```

Border

The CSS property to change the border of an element to Yxy 45.9962, 0.4625, 0.3832 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, 156, 102) }
```

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

```
.border{ border-color:rgb(255, 156, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9962, 0.4625, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 102) }
```

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

```
.background{ background-color: rgb(255,  
156, 102) }
```

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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