

Converting Colors

$Y_{xy}(55.3119, 0.4951, 0.3732)$

Have a look what the booklet for
Yxy(55.3119, 0.4951, 0.3732)
contains.

Yxy(46.0162, 0.4617, 0.3823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.0162, 0.4617, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C67
RGB	255, 156, 103
RGB Percent	100%, 61%, 40%
CMY	0.0000, 0.3882, 0.5962
CMYK	0.00, 0.39, 0.60, 0.00
HSL	21°, 100%, 70%
HSV	21°, 60%, 100%
XYZ	55.5733, 46.0162, 18.7772
YIQ	179.5590, 76.0170, 4.5050

Conversions

Conversions Part 2

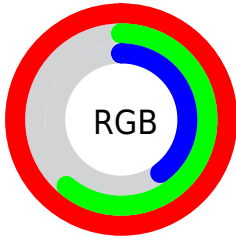
Format	Color
R _Y B	255, 184, 103
Decimal	16751719
CIE Lab	73.56, 32.08, 43.08
CIE LCh	74, 53.716, 53.327
Yxy	46.0162, 0.4617, 0.3823
Android (android.graphics.Color)	4294941799 (0xFFFF9C67)
YUV	179.5590, -37.7436, 66.1618
Hunter-Lab	67.8352, 27.5226, 31.0728

Details

The Yxy color **46.0162, 0.4617, 0.3823** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.3192, 0.2244, 0.2624**, and the grayscale version is **45.5691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2151, 0.3881, 0.3868**, and **21.6363, 0.5003, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **40.3855, 0.4968, 0.3867**, and if you desaturate by 10%, it is **52.5693, 0.4283, 0.3750**.

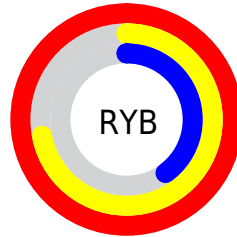
Distribution



Red (100%)

Green (61%)

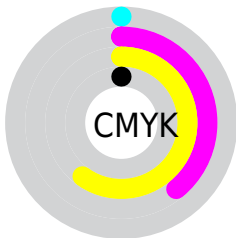
Blue (40%)



Red (100%)

Yellow (72%)

Blue (40%)

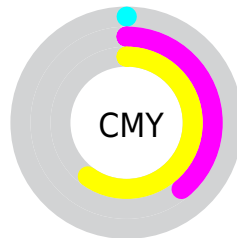


Cyan (0%)

Magenta (39%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0162, 0.4617, 0.3823 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 46.0162, 0.4617, 0.3823 by changing the saturation by 10% instead.


 46.0162, 0.4617,
0.3823


 46.0162, 0.4617,
0.3823


370.8738, 0.3878,
0.3612


 32.2586, 0.4791,
0.3855


 84.2432, 0.4355,
0.3762


 21.5591, 0.5006,
0.3882


 109.4815, 0.4254,
0.3734

 13.5333, 0.5273,
0.3897


 139.3154, 0.4168,
0.3709

 7.7968, 0.5608,
0.3878

 174.1294, 0.4094,
0.3686

 3.9652, 0.6145,
0.3855

214.3078, 0.4030,
0.3665

 1.6541, 0.6509,
0.3491

260.2351, 0.3973,

 0.3937, 0.7527,

0.3646

0.2473

312.2956, 0.3923,
0.3628

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.0162, 0.4617,
0.3823

46.0162, 0.4617,
0.3823

40.3855, 0.4968,
0.3867

52.5693, 0.4283,
0.3750

35.6247, 0.5312,
0.3869

60.0795, 0.3980,
0.3661

31.6859, 0.5618,
0.3820

68.5882, 0.3713,
0.3565

28.5063, 0.5862,
0.3725

78.1319, 0.3484,
0.3468

■ 28.3980, 0.5871,
0.3721

■ 88.7453, 0.3288,
0.3375

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



46.0162, 0.4453, 0.3267



46.0162, 0.4617, 0.3823



46.0162, 0.4331, 0.4343

Triad

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



46.0162, 0.4617, 0.3823



46.0162, 0.2367, 0.3890



46.0162, 0.2418, 0.2166

Complementary

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



46.0162, 0.4617, 0.3823



52.3192, 0.2244, 0.2624

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.



46.0162, 0.1986, 0.2194



46.0162, 0.4617, 0.3823



46.0162, 0.1950, 0.3092

Square

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



46.0162, 0.4617, 0.3823



46.0162, 0.3018, 0.4529



46.0162, 0.1827, 0.2493



46.0162, 0.3091, 0.2368

Rectangle

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



46.0162, 0.4617, 0.3823



46.0162, 0.3959, 0.4593



46.0162, 0.1827, 0.2493



46.0162, 0.2244, 0.2148

Sweetspot

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



46.0186, 0.4617, 0.3823



79.7810, 0.3450, 0.3452



35.3283, 0.3715, 0.2302



16.4479, 0.3511, 0.3480



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.



46.0186, 0.4617, 0.3823



39.1767, 0.5052, 0.3872



78.6389, 0.4114, 0.4500



19.0235, 0.3286, 0.3374



15.0910, 0.5841, 0.3744



1.6648, 0.5623, 0.3917

Inverse Universe

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



52.3192, 0.2244, 0.2624



45.8102, 0.2107, 0.2457



25.6204, 0.2027, 0.1654



19.3520, 0.2980, 0.3205



18.3188, 0.1918, 0.2103



1.9885, 0.1959, 0.2254

Previews

White Background



This preview shows how the Yxy color 46.0162, 0.4617, 0.3823 looks on a white background.

Color Contrast Check

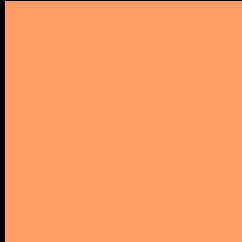
Large Text (above 18pt) WCAG AA × Fail

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 46.0162, 0.4617, 0.3823 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 46.0162, 0.4617, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 46.0162, 0.4617, 0.3823.



This preview shows how white text looks on a background with the Yxy color 46.0162, 0.4617, 0.3823.

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

46.0162, 0.4617, 0.3823

Protanopia

46.2234, 0.3852, 0.4166

Deuteranopia

46.1601, 0.4220, 0.4143



Tritanopia

45.9664, 0.4073, 0.3188

Trichromacy



Original Color

46.0162, 0.4617, 0.3823

Protanomaly

45.6692, 0.4127, 0.4034

Deuteranomaly

45.8812, 0.4366, 0.4028

Tritanomaly

45.9359, 0.4282, 0.3429

Monochromacy



Original Color

46.0162, 0.4617, 0.3823

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.6582, 0.3633, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0162, 0.4617, 0.3823 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 103) }
```

Border

The CSS property to change the border of an element to Yxy 46.0162, 0.4617, 0.3823 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, 103) }
```

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

```
.border{ border-color:rgb(255, 156, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0162, 0.4617, 0.3823 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
156, 103) }
```

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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