

Converting Colors

$Y_{xy}(43.3768, 0.4687, 0.3749)$

Have a look what the booklet for
Yxy(43.3768, 0.4687, 0.3749)
contains.

Yxy(43.3991, 0.4686, 0.3750)	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(43.3991, 0.4686, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	FF9466
RGB	255, 148, 102
RGB Percent	100%, 58%, 40%
CMY	0.0000, 0.4196, 0.5998
CMYK	0.00, 0.42, 0.60, 0.00
HSL	18°, 100%, 70%
HSV	18°, 60%, 100%
XYZ	54.2315, 43.3991, 18.1003
YIQ	174.7490, 78.5380, 8.3780

Conversions

Conversions Part 2

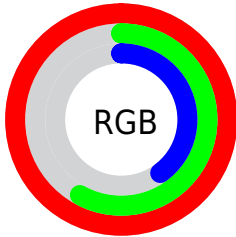
Format	Color
R_{YB}	255, 168, 102
Decimal	16749670
CIE _{Lab}	71.83, 36.15, 41.45
CIE _{LCh}	72, 55.002, 48.909
Yxy	43.3991, 0.4686, 0.3750
Android (android.graphics.Color)	4294939750 (0xFFFF9466)
YUV	174.7490, -35.8653, 70.3801
Hunter-Lab	65.8780, 31.6567, 29.8244

Details

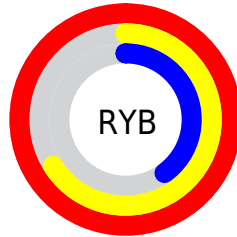
The Yxy color **43.3991, 0.4686, 0.3750** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.6701, 0.2262, 0.2717**, and the grayscale version is **42.8939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3050, 0.3921, 0.3800**, and **20.0921, 0.5110, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **37.7980, 0.5060, 0.3782**, and if you desaturate by 10%, it is **50.0207, 0.4331, 0.3690**.

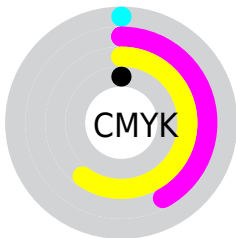
Distribution



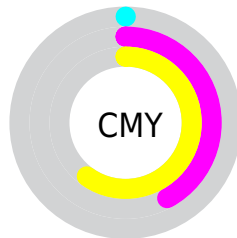
- Red (100%)
- Green (58%)
- Blue (40%)



- Red (100%)
- Yellow (66%)
- Blue (40%)



- Cyan (0%)
- Magenta (42%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3991, 0.4686, 0.3750 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 43.3991, 0.4686, 0.3750 by changing the saturation by 10% instead.


 43.3991, 0.4686,
0.3750


 43.3991, 0.4686,
0.3750


360.2505, 0.3904,
0.3577


 30.1984, 0.4873,
0.3772


 80.3128, 0.4406,
0.3703


 19.9892, 0.5105,
0.3786


 104.7945, 0.4299,
0.3680

 12.3872, 0.5397,
0.3782


 133.8054, 0.4208,
0.3659

 7.0080, 0.5765,
0.3735

 167.7298, 0.4130,
0.3640

 3.4671, 0.6341,
0.3659

206.9521, 0.4062,
0.3622

 1.3802, 0.6769,
0.3231

251.8567, 0.4003,

 0.2020, 0.8444,

0.3606

0.1556

302.8281, 0.3951,
0.3591

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

43.3991, 0.4686,
0.3750

43.3991, 0.4686,
0.3750

37.7980, 0.5060,
0.3782

50.0207, 0.4331,
0.3690

33.1594, 0.5426,
0.3774

57.7087, 0.4012,
0.3614

29.4246, 0.5746,
0.3719

66.5108, 0.3734,
0.3531

26.5186, 0.5993,
0.3623

76.4702, 0.3496,
0.3447

■ 26.5141, 0.5994,
0.3623

■ 87.6280, 0.3296,
0.3366

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.



43.3991, 0.4445, 0.3178



43.3991, 0.4686, 0.3750



43.3991, 0.4445, 0.4305

Triad

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



43.3991, 0.4686, 0.3750



43.3991, 0.2420, 0.4040



43.3991, 0.2306, 0.2113

Complementary

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



43.3991, 0.4686, 0.3750



55.6701, 0.2262, 0.2717

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.



43.3991, 0.1902, 0.2178



43.3991, 0.4686, 0.3750



43.3991, 0.1948, 0.3195

Square

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



43.3991, 0.4686, 0.3750



43.3991, 0.3120, 0.4648



43.3991, 0.1779, 0.2529



43.3991, 0.2972, 0.2289

Rectangle

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



43.3991, 0.4686, 0.3750



43.3991, 0.4082, 0.4598



43.3991, 0.1779, 0.2529



43.3991, 0.2140, 0.2106

Sweetspot

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



43.4003, 0.4686, 0.3750



78.5854, 0.3454, 0.3430



35.3808, 0.3661, 0.2252



16.1593, 0.3517, 0.3454



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.



43.4003, 0.4686, 0.3750



36.7862, 0.5136, 0.3784



75.7517, 0.4150, 0.4465



18.8767, 0.3287, 0.3362



14.0809, 0.5965, 0.3646



1.5526, 0.5744, 0.3821

Inverse Universe

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



55.6701, 0.2262, 0.2717



49.8078, 0.2138, 0.2579



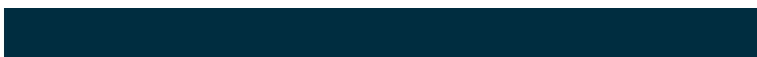
26.7231, 0.2034, 0.1706



19.5058, 0.2980, 0.3217



20.7644, 0.1966, 0.2277



2.2134, 0.2002, 0.2406

Previews

White Background



This preview shows how the Yxy color 43.3991, 0.4686, 0.3750 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 43.3991, 0.4686, 0.3750 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 43.3991, 0.4686, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 43.3991, 0.4686, 0.3750.



This preview shows how white text looks on a background with the Yxy color 43.3991, 0.4686, 0.3750.

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

43.3991, 0.4686, 0.3750

Protanopia

43.4494, 0.3812, 0.4115

Deuteranopia

43.3342, 0.4206, 0.4121



Tritanopia

43.5064, 0.4188, 0.3199

Trichromacy



Original Color

43.3991, 0.4686, 0.3750

Protanomaly

42.8236, 0.4127, 0.3979

Deuteranomaly

43.2136, 0.4391, 0.3984

Tritanomaly

43.2320, 0.4388, 0.3408

Monochromacy



Original Color

43.3991, 0.4686, 0.3750

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.8858, 0.3661, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3991, 0.4686, 0.3750 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, 148, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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, 148, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 102) }
```

Border

The CSS property to change the border of an element to Yxy 43.3991, 0.4686, 0.3750 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, 148, 102) }
```

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

```
.border{ border-color:rgb(255, 148, 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, 148, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3991, 0.4686, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 102) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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