

Converting Colors

$Y_{xy}(45.4906, 0.4641, 0.3821)$

Have a look what the booklet for
Yxy(45.4906, 0.4641, 0.3821)
contains.

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Color

Yxy(45.6620, 0.4633, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B66
RGB	255, 155, 102
RGB Percent	100%, 61%, 40%
CMY	0.0000, 0.3922, 0.5999
CMYK	0.00, 0.39, 0.60, 0.00
HSL	21°, 100%, 70%
HSV	21°, 60%, 100%
XYZ	55.3656, 45.6620, 18.4751
YIQ	178.8580, 76.6130, 4.7170

Conversions

Conversions Part 2

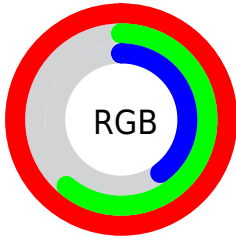
Format	Color
R_{YB}	255, 183, 102
Decimal	16751462
CIE _{Lab}	73.33, 32.55, 43.29
CIE _{LCh}	73, 54.161, 53.055
Yxy	45.6620, 0.4633, 0.3821
Android (android.graphics.Color)	4294941542 (0xFFFF9B66)
YUV	178.8580, -37.8910, 66.7765
Hunter-Lab	67.5737, 27.9978, 31.0913

Details

The Yxy color **45.6620, 0.4633, 0.3821** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.3075, 0.2241, 0.2624**, and the grayscale version is **45.1747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6863, 0.3893, 0.3869**, and **21.4269, 0.5025, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **40.0594, 0.4985, 0.3863**, and if you desaturate by 10%, it is **52.1848, 0.4297, 0.3750**.

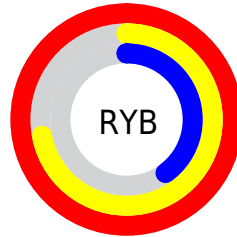
Distribution



Red (100%)

Green (61%)

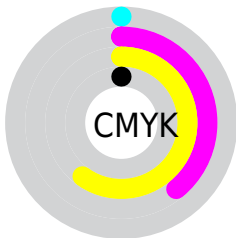
Blue (40%)



Red (100%)

Yellow (72%)

Blue (40%)

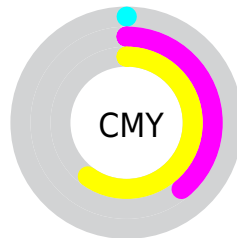


Cyan (0%)

Magenta (39%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6620, 0.4633, 0.3821 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 45.6620, 0.4633, 0.3821 by changing the saturation by 10% instead.

 45.6620, 0.4633,
0.3821


 45.6620, 0.4633,
0.3821


369.4481, 0.3886,
0.3612

 31.9792, 0.4809,
0.3852


 83.7129, 0.4367,
0.3761


 21.3456, 0.5026,
0.3878


 108.8498, 0.4266,
0.3733

 13.3769, 0.5297,
0.3890


 138.5735, 0.4179,
0.3708

 7.6886, 0.5635,
0.3867

 173.2684, 0.4104,
0.3685

 3.8963, 0.6169,
0.3831

213.3190, 0.4039,
0.3664

 1.6157, 0.6540,
0.3460

259.1095, 0.3981,

 0.3682, 0.7626,

0.3646

0.2374

311.0244, 0.3931,
0.3628

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.6620, 0.4633,
0.3821

45.6620, 0.4633,
0.3821

40.0594, 0.4985,
0.3863

52.1848, 0.4297,
0.3750

35.3333, 0.5330,
0.3863

59.6724, 0.3992,
0.3662

31.4319, 0.5635,
0.3811

68.1634, 0.3723,
0.3566

28.2905, 0.5877,
0.3715

77.6948, 0.3492,
0.3470

■ 28.2864, 0.5878,
0.3715

■ 88.3019, 0.3294,
0.3377

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.



45.6620, 0.4464, 0.3260



45.6620, 0.4633, 0.3821



45.6620, 0.4347, 0.4348

Triad

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



45.6620, 0.4633, 0.3821



45.6620, 0.2364, 0.3905



45.6620, 0.2405, 0.2155

Complementary

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



45.6620, 0.4633, 0.3821



52.3075, 0.2241, 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.



45.6620, 0.1973, 0.2185



45.6620, 0.4633, 0.3821



45.6620, 0.1941, 0.3095

Square

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



45.6620, 0.4633, 0.3821



45.6620, 0.3023, 0.4548



45.6620, 0.1815, 0.2489



45.6620, 0.3083, 0.2356

Rectangle

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



45.6620, 0.4633, 0.3821



45.6620, 0.3972, 0.4604



45.6620, 0.1815, 0.2489



45.6620, 0.2231, 0.2137

Sweetspot

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



45.6613, 0.4633, 0.3821



79.7142, 0.3450, 0.3451



35.1303, 0.3720, 0.2297



16.4317, 0.3512, 0.3479



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.



45.6613, 0.4633, 0.3821



39.0384, 0.5056, 0.3867



78.5392, 0.4119, 0.4506



19.0154, 0.3286, 0.3373



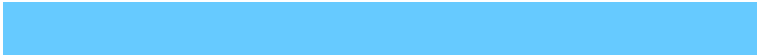
15.0303, 0.5848, 0.3739



1.6582, 0.5630, 0.3912

Inverse Universe

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



52.3075, 0.2241, 0.2624



46.0261, 0.2109, 0.2463



25.3632, 0.2020, 0.1643



19.3605, 0.2980, 0.3206



18.4489, 0.1920, 0.2113



2.0005, 0.1962, 0.2262

Previews

White Background



This preview shows how the Yxy color 45.6620, 0.4633, 0.3821 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 45.6620, 0.4633, 0.3821 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 45.6620, 0.4633, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 45.6620, 0.4633, 0.3821.



This preview shows how white text looks on a background with the Yxy color 45.6620, 0.4633, 0.3821.

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

45.6620, 0.4633, 0.3821

Protanopia

46.0658, 0.3850, 0.4181

Deuteranopia

45.7590, 0.4235, 0.4143



Tritanopia

45.6108, 0.4088, 0.3188

Trichromacy



Original Color

45.6620, 0.4633, 0.3821

Protanomaly

45.4932, 0.4126, 0.4048

Deuteranomaly

45.4969, 0.4381, 0.4027

Tritanomaly

45.5806, 0.4298, 0.3429

Monochromacy



Original Color

45.6620, 0.4633, 0.3821

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.2492, 0.3645, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6620, 0.4633, 0.3821 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, 155, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 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, 155, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 102) }
```

Border

The CSS property to change the border of an element to Yxy 45.6620, 0.4633, 0.3821 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, 155, 102) }
```

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

```
.border{ border-color:rgb(255, 155, 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, 155, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 155, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 155, 102); box-shadow:4px 4px 4px 4px rgb(255, 155, 102) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6620, 0.4633, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 102) }
```

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

```
.background{ background-color: rgb(255,  
155, 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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