

Converting Colors

$Y_{xy}(45.4436, 0.4638, 0.3815)$

Have a look what the booklet for
Yxy(45.4436, 0.4638, 0.3815)
contains.

Yxy(45.3305, 0.4641, 0.3811)	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(45.3305, 0.4641, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A66
RGB	255, 154, 102
RGB Percent	100%, 60%, 40%
CMY	0.0000, 0.3961, 0.6000
CMYK	0.00, 0.40, 0.60, 0.00
HSL	20°, 100%, 70%
HSV	20°, 60%, 100%
XYZ	55.2031, 45.3305, 18.4129
YIQ	178.2710, 76.8880, 5.2400

Conversions

Conversions Part 2

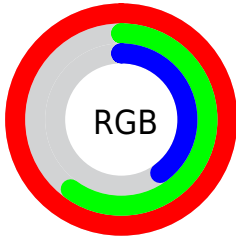
Format	Color
R _Y B	255, 181, 102
Decimal	16751206
CIE Lab	73.11, 33.08, 43.04
CIE LCh	73, 54.280, 52.454
Yxy	45.3305, 0.4641, 0.3811
Android (android.graphics.Color)	4294941286 (0xFFFF9A66)
YUV	178.2710, -37.6016, 67.2913
Hunter-Lab	67.3279, 28.5306, 30.9149

Details

The Yxy color **45.3305, 0.4641, 0.3811** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.7681, 0.2244, 0.2637**, and the grayscale version is **44.8403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1940, 0.3897, 0.3859**, and **21.2291, 0.5037, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **39.7234, 0.4996, 0.3852**, and if you desaturate by 10%, it is **51.8653, 0.4302, 0.3742**.

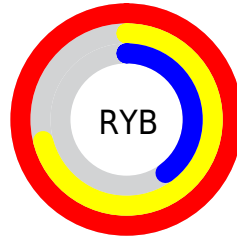
Distribution



Red (100%)

Green (60%)

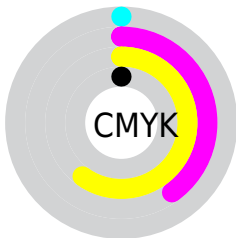
Blue (40%)



Red (100%)

Yellow (71%)

Blue (40%)

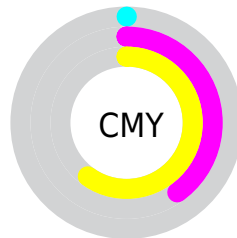


Cyan (0%)

Magenta (40%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3305, 0.4641, 0.3811 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 45.3305, 0.4641, 0.3811 by changing the saturation by 10% instead.


 45.3305, 0.4641,
0.3811

 45.3305, 0.4641,
0.3811

368.1104, 0.3889,
0.3607


 31.7178, 0.4819,
0.3840


 83.2161, 0.4373,
0.3752


 21.1461, 0.5038,
0.3865


 108.2579, 0.4271,
0.3726

 13.2308, 0.5312,
0.3875


 137.8781, 0.4183,
0.3701

 7.5877, 0.5654,
0.3848

 172.4613, 0.4108,
0.3679

 3.8323, 0.6193,
0.3807

212.3917, 0.4042,
0.3659

 1.5802, 0.6573,
0.3427

258.0537, 0.3985,

 0.3442, 0.7727,

0.3640

0.2273

309.8319, 0.3934,
0.3623

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3305, 0.4641,
0.3811

■ 45.3305, 0.4641,
0.3811

■ 39.7234, 0.4996,
0.3852

■ 51.8653, 0.4302,
0.3742

■ 35.0080, 0.5344,
0.3850

■ 59.3821, 0.3995,
0.3655

■ 31.1284, 0.5651,
0.3798

■ 67.9176, 0.3725,
0.3561

■ 28.0186, 0.5895,
0.3702

■ 77.5097, 0.3493,
0.3467

■ 28.0174, 0.5895,
0.3701

■ 88.1943, 0.3295,
0.3376

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.



45.3305, 0.4462, 0.3248



45.3305, 0.4641, 0.3811



45.3305, 0.4361, 0.4342

Triad

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



45.3305, 0.4641, 0.3811



45.3305, 0.2371, 0.3924



45.3305, 0.2391, 0.2149

Complementary

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



45.3305, 0.4641, 0.3811



52.7681, 0.2244, 0.2637

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.



45.3305, 0.1962, 0.2184



45.3305, 0.4641, 0.3811



45.3305, 0.1942, 0.3109

Square

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



45.3305, 0.4641, 0.3811



45.3305, 0.3036, 0.4563



45.3305, 0.1809, 0.2494



45.3305, 0.3067, 0.2347

Rectangle

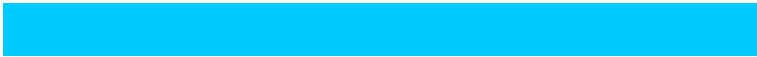
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.3305, 0.4641, 0.3811



45.3305, 0.3988, 0.4604



45.3305, 0.1809, 0.2494



45.3305, 0.2218, 0.2133

Sweetspot

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



45.3268, 0.4641, 0.3811



79.5537, 0.3450, 0.3448



35.1247, 0.3720, 0.2297



16.3930, 0.3512, 0.3475



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.



45.3268, 0.4641, 0.3811



38.7087, 0.5068, 0.3855



78.5363, 0.4120, 0.4506



18.9957, 0.3286, 0.3371



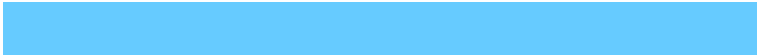
14.8867, 0.5865, 0.3725



1.6425, 0.5646, 0.3899

Inverse Universe

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



52.7681, 0.2244, 0.2637



46.5482, 0.2113, 0.2480



25.3560, 0.2020, 0.1642



19.3810, 0.2980, 0.3207



18.7645, 0.1927, 0.2136



2.0297, 0.1967, 0.2283

Previews

White Background



This preview shows how the Yxy color 45.3305, 0.4641, 0.3811 looks on a white background.

Color Contrast Check

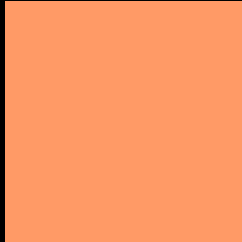
Large Text (above 18pt) WCAG AA × Fail

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 45.3305, 0.4641, 0.3811 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 45.3305, 0.4641, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 45.3305, 0.4641, 0.3811.



This preview shows how white text looks on a background with the Yxy color 45.3305, 0.4641, 0.3811.

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

45.3305, 0.4641, 0.3811

Protanopia

45.5481, 0.3838, 0.4161

Deuteranopia

45.6025, 0.4225, 0.4146



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3305, 0.4641, 0.3811



Protanomaly

44.9602, 0.4123, 0.4040



Deuteranomaly

45.1348, 0.4389, 0.4017



Tritanomaly

45.2282, 0.4313, 0.3429

Monochromacy



Original Color

45.3305, 0.4641, 0.3811



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.6998, 0.3648, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3305, 0.4641, 0.3811 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, 154, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 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, 154, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 102) }
```

Border

The CSS property to change the border of an element to Yxy 45.3305, 0.4641, 0.3811 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, 154, 102) }
```

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

```
.border{ border-color:rgb(255, 154, 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, 154, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3305, 0.4641, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 102) }
```

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

```
.background{ background-color: rgb(255,  
154, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor