

Converting Colors

$Y_{xy}(45.3755, 0.4766, 0.3958)$

Have a look what the booklet for
Yxy(45.3755, 0.4766, 0.3958)
contains.

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Color

Yxy(45.3746, 0.4764, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B56
RGB	255, 155, 86
RGB Percent	100%, 61%, 34%
CMY	0.0000, 0.3921, 0.6628
CMYK	0.00, 0.39, 0.66, 0.00
HSL	24°, 100%, 67%
HSV	24°, 66%, 100%
XYZ	54.6422, 45.3746, 14.6814
YIQ	177.0340, 81.7490, -0.2590

Conversions

Conversions Part 2

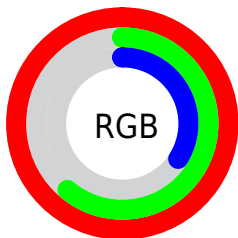
Format	Color
R_{YB}	255, 203, 86
Decimal	16751446
CIE _{Lab}	73.14, 31.54, 51.13
CIE _{LCh}	73, 60.072, 58.334
Yxy	45.3746, 0.4764, 0.3956
Android (android.graphics.Color)	4294941526 (0xFFFF9B56)
YUV	177.0340, -44.8798, 68.3762
Hunter-Lab	67.3607, 26.9160, 34.2301

Details

The Yxy color **45.3746, 0.4764, 0.3956** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.3130, 0.2134, 0.2397**, and the grayscale version is **44.1940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1882, 0.4008, 0.4027**, and **21.1653, 0.5159, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **40.3235, 0.5084, 0.3986**, and if you desaturate by 10%, it is **51.2029, 0.4444, 0.3887**.

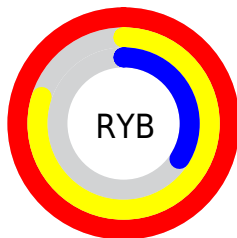
Distribution



Red (100%)

Green (61%)

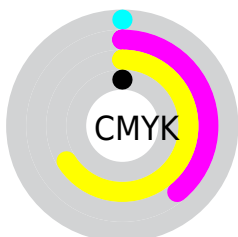
Blue (34%)



Red (100%)

Yellow (80%)

Blue (34%)

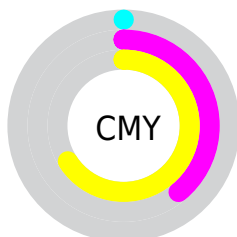


Cyan (0%)

Magenta (39%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3746, 0.4764, 0.3956 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 45.3746, 0.4764, 0.3956 by changing the saturation by 10% instead.


 45.3746, 0.4764,
0.3956

 45.3746, 0.4764,
0.3956


368.2886, 0.3963,
0.3698


 31.7526, 0.4946,
0.3991


 83.2823, 0.4484,
0.3883

 21.1726, 0.5166,
0.4019


 108.3367, 0.4375,
0.3849


 13.2502, 0.5430,
0.4026


 137.9707, 0.4281,
0.3818

 7.6011, 0.5773,
0.4005

 172.5687, 0.4200,
0.3789

 3.8408, 0.6138,
0.3862

 212.5151, 0.4130,
0.3763

 1.5849, 0.6505,
0.3495

258.1943, 0.4067,

 0.3474, 0.7644,

0.3739

0.2356

309.9907, 0.4012,
0.3718

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.3746, 0.4764,
0.3956

45.3746, 0.4764,
0.3956

40.3235, 0.5084,
0.3986

51.2029, 0.4444,
0.3887

36.0054, 0.5379,
0.3964


57.8396, 0.4141,
0.3793


32.3770, 0.5625,
0.3888

65.3193, 0.3866,
0.3685

31.1852, 0.5706,
0.3851

73.6732, 0.3622,
0.3572

 82.9304, 0.3411,
0.3461

 93.1189, 0.3228,
0.3354

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.



45.3746, 0.4684, 0.3347



45.3746, 0.4764, 0.3956



45.3746, 0.4360, 0.4525

Triad

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



45.3746, 0.4764, 0.3956



45.3746, 0.2176, 0.3812



45.3746, 0.2443, 0.2074

Complementary

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



45.3746, 0.4764, 0.3956



44.3130, 0.2134, 0.2397

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.



45.3746, 0.1927, 0.2055



45.3746, 0.4764, 0.3956



45.3746, 0.1780, 0.2921

Square

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



45.3746, 0.4764, 0.3956



45.3746, 0.2859, 0.4617



45.3746, 0.1705, 0.2319



45.3746, 0.3224, 0.2332

Rectangle

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



45.3746, 0.4764, 0.3956



45.3746, 0.3913, 0.4789



45.3746, 0.1705, 0.2319



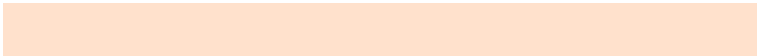
45.3746, 0.2238, 0.2039

Sweetspot

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



45.3762, 0.4764, 0.3956



79.3752, 0.3486, 0.3502



31.5202, 0.3951, 0.2325



16.4334, 0.3546, 0.3533



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.



45.3762, 0.4764, 0.3956



38.6316, 0.5198, 0.3984



83.1390, 0.4139, 0.4680



19.2050, 0.3284, 0.3388



16.5706, 0.5677, 0.3874



1.8218, 0.5471, 0.4038

Inverse Universe

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



44.3130, 0.2134, 0.2397



37.3157, 0.1990, 0.2177



18.8785, 0.1876, 0.1325



19.1646, 0.2979, 0.3191



15.6183, 0.1859, 0.1891



1.7357, 0.1907, 0.2066

Previews

White Background



This preview shows how the Yxy color 45.3746, 0.4764, 0.3956 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 45.3746, 0.4764, 0.3956 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 45.3746, 0.4764, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 45.3746, 0.4764, 0.3956.



This preview shows how white text looks on a background with the Yxy color 45.3746, 0.4764, 0.3956.

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

45.3746, 0.4764, 0.3956

Protanopia

45.4564, 0.3993, 0.4360

Deuteranopia

45.4230, 0.4379, 0.4276



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.3746, 0.4764, 0.3956

Protanomaly

44.9412, 0.4277, 0.4209

Deuteranomaly

45.1970, 0.4530, 0.4155

Tritanomaly

45.0592, 0.4375, 0.3491

Monochromacy



Original Color

45.3746, 0.4764, 0.3956

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3687, 0.3694, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3746, 0.4764, 0.3956 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 86) }
```

Border

The CSS property to change the border of an element to Yxy 45.3746, 0.4764, 0.3956 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, 86) }
```

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

```
.border{ border-color:rgb(255, 155, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3746, 0.4764, 0.3956 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, 86) }
```

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

```
.background{ background-color: rgb(255,  
155, 86) }
```

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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