

Converting Colors

$Y_{xy}(60.2260, 0.5160, 0.3714)$

Have a look what the booklet for
Yxy(60.2260, 0.5160, 0.3714)
contains.

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Color

Yxy(45.5472, 0.4684, 0.3874)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FF9B60 |
| RGB | 255, 155, 96 |
| RGB Percent | 100%, 61%, 38% |
| CMY | 0.0000, 0.3921, 0.6235 |
| CMYK | 0.00, 0.39, 0.62, 0.00 |
| HSL | 22°, 100%, 69% |
| HSV | 22°, 62%, 100% |
| XYZ | 55.0705, 45.5472, 16.9538 |
| YIQ | 178.1740, 78.5390, 2.8510 |

Conversions

Conversions Part 2

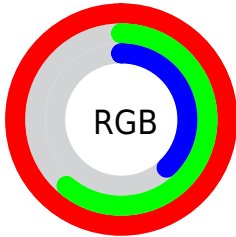
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 190, 96 |
| Decimal | 16751456 |
| CIE Lab | 73.25, 32.13, 46.28 |
| CIE LCh | 73, 56.345, 55.229 |
| Yxy | 45.5472, 0.4684, 0.3874 |
| Android (android.graphics.Color) | 4294941536 (0xFFFF9B60) |
| YUV | 178.1740, -40.5118, 67.3764 |
| Hunter-Lab | 67.4887, 27.5501, 32.3478 |

Details

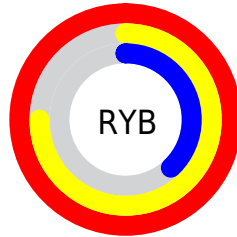
The Yxy color **45.5472, 0.4684, 0.3874** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.1753, 0.2200, 0.2540**, and the grayscale version is **44.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4913, 0.3937, 0.3929**, and **21.3751, 0.5081, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **40.1656, 0.5025, 0.3912**, and if you desaturate by 10%, it is **51.7944, 0.4353, 0.3803**.

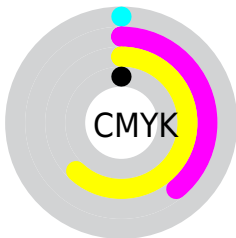
Distribution



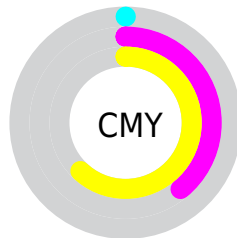
- Red (100%)
- Green (61%)
- Blue (38%)



- Red (100%)
- Yellow (75%)
- Blue (38%)



- Cyan (0%)
- Magenta (39%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (39%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5472, 0.4684, 0.3874 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 45.5472, 0.4684, 0.3874 by changing the saturation by 10% instead.

 45.5472, 0.4684,
0.3874


 45.5472, 0.4684,
0.3874


368.9852, 0.3915,
0.3645


 31.8887, 0.4863,
0.3907


 83.5409, 0.4412,
0.3808


 21.2765, 0.5082,
0.3934


 108.6449, 0.4308,
0.3778

 13.3262, 0.5351,
0.3946


 138.3328, 0.4218,
0.3751

 7.6536, 0.5685,
0.3919

 172.9891, 0.4141,
0.3726

 3.8741, 0.6156,
0.3844

212.9980, 0.4073,
0.3703

 1.6034, 0.6526,
0.3474

258.7441, 0.4014,

 0.3599, 0.7632,

0.3682

0.2368

310.6117, 0.3962,
0.3663

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.5472, 0.4684,
0.3874

45.5472, 0.4684,
0.3874

40.1656, 0.5025,
0.3912

51.7944, 0.4353,
0.3803

35.5997, 0.5351,
0.3905


58.9398, 0.4048,
0.3711

31.8035, 0.5634,
0.3844

67.0224, 0.3777,
0.3610

29.3796, 0.5810,
0.3769

76.0765, 0.3540,
0.3507

 86.1350, 0.3337,
0.3406

 97.2285, 0.3164,
0.3311

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



45.5472, 0.4549, 0.3295



45.5472, 0.4684, 0.3874



45.5472, 0.4352, 0.4416

Triad

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



45.5472, 0.4684, 0.3874



45.5472, 0.2291, 0.3869



45.5472, 0.2421, 0.2124

Complementary

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



45.5472, 0.4684, 0.3874



49.1753, 0.2200, 0.2540

Split Complementary

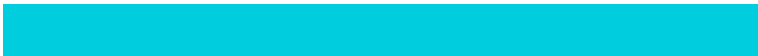
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.5472, 0.1956, 0.2135



45.5472, 0.4684, 0.3874



45.5472, 0.1879, 0.3028

Square

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



45.5472, 0.4684, 0.3874



45.5472, 0.2960, 0.4574



45.5472, 0.1772, 0.2422



45.5472, 0.3137, 0.2348

Rectangle

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



45.5472, 0.4684, 0.3874



45.5472, 0.3949, 0.4674



45.5472, 0.1772, 0.2422



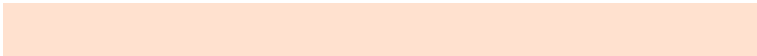
45.5472, 0.2235, 0.2099

Sweetspot

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



45.5495, 0.4684, 0.3874



79.3416, 0.3469, 0.3473



33.6407, 0.3817, 0.2315



16.3857, 0.3529, 0.3502



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.



45.5495, 0.4684, 0.3874



38.8821, 0.5114, 0.3915



80.8307, 0.4123, 0.4583



19.0914, 0.3285, 0.3379



15.6137, 0.5781, 0.3792



1.7211, 0.5566, 0.3962

Inverse Universe

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



49.1753, 0.2200, 0.2540



42.5877, 0.2063, 0.2356



22.4742, 0.1962, 0.1507



19.2816, 0.2979, 0.3200



17.2687, 0.1895, 0.2023



1.8908, 0.1940, 0.2183

Previews

White Background



This preview shows how the Yxy color 45.5472, 0.4684, 0.3874 looks on a white background.

Color Contrast Check

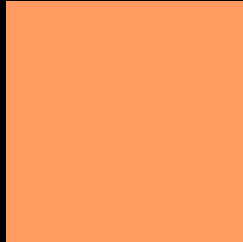
Large Text (above 18pt) WCAG AA × Fail

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 45.5472, 0.4684, 0.3874 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 45.5472, 0.4684, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 45.5472, 0.4684, 0.3874.



This preview shows how white text looks on a background with the Yxy color 45.5472, 0.4684, 0.3874.

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

45.5472, 0.4684, 0.3874

Protanopia

45.6682, 0.3911, 0.4237

Deuteranopia

45.6499, 0.4281, 0.4202



Tritanopia

45.6108, 0.4088, 0.3188

Trichromacy



Original Color

45.5472, 0.4684, 0.3874

Protanomaly

45.1452, 0.4191, 0.4098

Deuteranomaly

45.3864, 0.4429, 0.4084

Tritanomaly

45.5226, 0.4318, 0.3450

Monochromacy



Original Color

45.5472, 0.4684, 0.3874

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.0094, 0.3663, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5472, 0.4684, 0.3874 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 96) }
```

Border

The CSS property to change the border of an element to Yxy 45.5472, 0.4684, 0.3874 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, 96) }
```

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

```
.border{ border-color:rgb(255, 155, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5472, 0.4684, 0.3874 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, 96) }
```

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

```
.background{ background-color: rgb(255,  
155, 96) }
```

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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