

Converting Colors

$Y_{xy}(45.4718, 0.4721, 0.3912)$

Have a look what the booklet for
Yxy(45.4718, 0.4721, 0.3912)
contains.

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Color

Yxy(45.4580, 0.4725, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B5B
RGB	255, 155, 91
RGB Percent	100%, 61%, 36%
CMY	0.0000, 0.3921, 0.6432
CMYK	0.00, 0.39, 0.64, 0.00
HSL	23°, 100%, 68%
HSV	23°, 64%, 100%
XYZ	54.8491, 45.4580, 15.7756
YIQ	177.6040, 80.1440, 1.2960

Conversions

Conversions Part 2

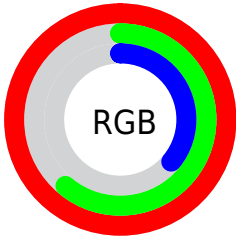
Format	Color
R _Y B	255, 196, 91
Decimal	16751451
CIE Lab	73.19, 31.82, 48.74
CIE LCh	73, 58.207, 56.855
Yxy	45.4580, 0.4725, 0.3916
Android (android.graphics.Color)	4294941531 (0xFFFF9B5B)
YUV	177.6040, -42.6958, 67.8763
Hunter-Lab	67.4225, 27.2225, 33.3230

Details

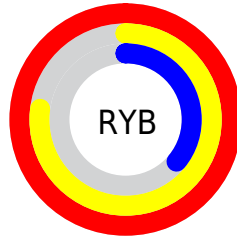
The Yxy color **45.4580, 0.4725, 0.3916** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **46.6918, 0.2167, 0.2469**, and the grayscale version is **44.4992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3364, 0.3973, 0.3978**, and **21.1980, 0.5121, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **40.2467, 0.5056, 0.3950**, and if you desaturate by 10%, it is **51.4895, 0.4399, 0.3846**.

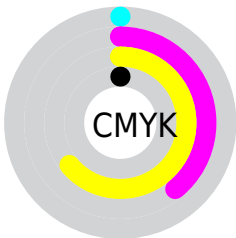
Distribution



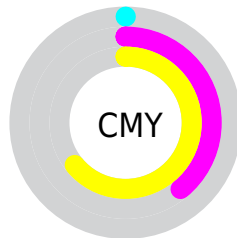
- Red (100%)
- Green (61%)
- Blue (36%)



- Red (100%)
- Yellow (77%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4580, 0.4725, 0.3916 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 45.4580, 0.4725, 0.3916 by changing the saturation by 10% instead.


 45.4580, 0.4725,
0.3916


 45.4580, 0.4725,
0.3916


368.6253, 0.3939,
0.3672

 31.8183, 0.4906,
0.3950


 83.4073, 0.4449,
0.3846


 21.2228, 0.5125,
0.3978


 108.4856, 0.4342,
0.3814

 13.2869, 0.5393,
0.3988

 138.1457, 0.4250,
0.3785

 7.6264, 0.5729,
0.3962

 172.7719, 0.4171,
0.3758

 3.8569, 0.6147,
0.3853

212.7485, 0.4102,
0.3733

 1.5938, 0.6515,
0.3485

258.4601, 0.4041,

 0.3534, 0.7638,

0.3711

0.2362

310.2909, 0.3987,
0.3691

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.4580, 0.4725,
0.3916

45.4580, 0.4725,
0.3916

40.2467, 0.5056,
0.3950

51.4895, 0.4399,
0.3846

35.8076, 0.5367,
0.3936

58.3719, 0.4095,
0.3752

32.0967, 0.5630,
0.3868

66.1422, 0.3821,
0.3647

30.2873, 0.5757,
0.3811

74.8330, 0.3581,
0.3539

 84.4752, 0.3374,
0.3433

 95.0981, 0.3196,
0.3332

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.



45.4580, 0.4617, 0.3322



45.4580, 0.4725, 0.3916



45.4580, 0.4357, 0.4471

Triad

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



45.4580, 0.4725, 0.3916



45.4580, 0.2233, 0.3841



45.4580, 0.2432, 0.2098

Complementary

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



45.4580, 0.4725, 0.3916



46.6918, 0.2167, 0.2469

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.



45.4580, 0.1941, 0.2094



45.4580, 0.4725, 0.3916



45.4580, 0.1829, 0.2973

Square

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



45.4580, 0.4725, 0.3916



45.4580, 0.2909, 0.4596



45.4580, 0.1738, 0.2370



45.4580, 0.3181, 0.2340

Rectangle

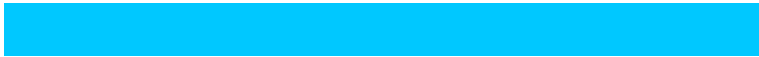
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.4580, 0.4725, 0.3916



45.4580, 0.3931, 0.4732



45.4580, 0.1738, 0.2370



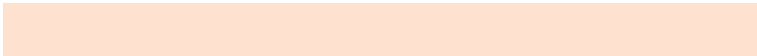
45.4580, 0.2237, 0.2069

Sweetspot

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



45.4603, 0.4725, 0.3916



79.8444, 0.3467, 0.3482



32.5498, 0.3882, 0.2318



16.5063, 0.3527, 0.3513



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.



45.4603, 0.4725, 0.3916



38.9838, 0.5142, 0.3952



81.9277, 0.4132, 0.4632



19.1500, 0.3285, 0.3383



16.0948, 0.5728, 0.3834



1.7720, 0.5517, 0.4001

Inverse Universe

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



46.6918, 0.2167, 0.2469



40.1196, 0.2031, 0.2274



20.6196, 0.1919, 0.1415



19.2211, 0.2979, 0.3195



16.4001, 0.1876, 0.1954



1.8094, 0.1923, 0.2123

Previews

White Background



This preview shows how the Yxy color 45.4580, 0.4725, 0.3916 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 45.4580, 0.4725, 0.3916 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 45.4580, 0.4725, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 45.4580, 0.4725, 0.3916.



This preview shows how white text looks on a background with the Yxy color 45.4580, 0.4725, 0.3916.

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

45.4580, 0.4725, 0.3916

Protanopia

45.5684, 0.3949, 0.4294

Deuteranopia

45.7228, 0.4326, 0.4245



Tritanopia

45.5759, 0.4099, 0.3198

Trichromacy



Original Color

45.4580, 0.4725, 0.3916

Protanomaly

45.0490, 0.4231, 0.4149

Deuteranomaly

45.4694, 0.4476, 0.4126

Tritanomaly

45.4377, 0.4349, 0.3481

Monochromacy



Original Color

45.4580, 0.4725, 0.3916

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.9466, 0.3682, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4580, 0.4725, 0.3916 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 91) }
```

Border

The CSS property to change the border of an element to Yxy 45.4580, 0.4725, 0.3916 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, 91) }
```

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

```
.border{ border-color:rgb(255, 155, 91) }
```

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, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4580, 0.4725, 0.3916 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
155, 91) }
```

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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