

Converting Colors

$Yxy(44.9448, 0.4758, 0.3924)$

Have a look what the booklet for
Yxy(44.9448, 0.4758, 0.3924)
contains.

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Color

Yxy(45.0758, 0.4757, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A58
RGB	255, 154, 88
RGB Percent	100%, 60%, 35%
CMY	0.0000, 0.3961, 0.6549
CMYK	0.00, 0.40, 0.65, 0.00
HSL	24°, 100%, 67%
HSV	24°, 65%, 100%
XYZ	54.5612, 45.0758, 15.0597
YIQ	176.6750, 81.3820, 0.8860

Conversions

Conversions Part 2

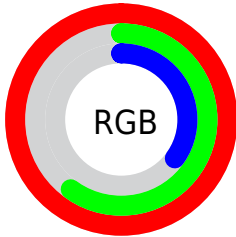
Format	Color
R _Y B	255, 197, 88
Decimal	16751192
CIE Lab	72.94, 32.18, 49.92
CIE LCh	73, 59.389, 57.195
Yxy	45.0758, 0.4757, 0.3930
Android (android.graphics.Color)	4294941272 (0xFFFF9A58)
YUV	176.6750, -43.7168, 68.6910
Hunter-Lab	67.1385, 27.5686, 33.6978

Details

The Yxy color **45.0758, 0.4757, 0.3930** 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 **45.6965, 0.2151, 0.2440**, and the grayscale version is **43.9882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7544, 0.3999, 0.3998**, and **20.9801, 0.5158, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **39.9560, 0.5084, 0.3960**, and if you desaturate by 10%, it is **50.9972, 0.4431, 0.3862**.

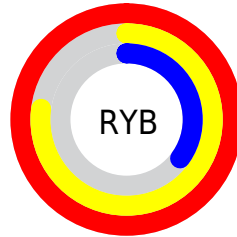
Distribution



Red (100%)

Green (60%)

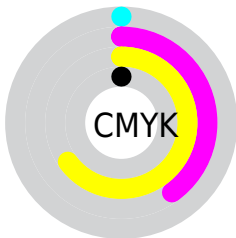
Blue (35%)



Red (100%)

Yellow (77%)

Blue (35%)

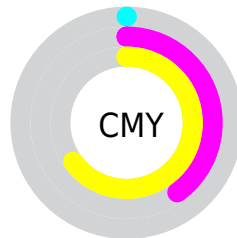


Cyan (0%)

Magenta (40%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0758, 0.4757, 0.3930 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 45.0758, 0.4757, 0.3930 by changing the saturation by 10% instead.

 45.0758, 0.4757,
0.3930


 45.0758, 0.4757,
0.3930


367.0805, 0.3956,
0.3682

 31.5171, 0.4940,
0.3964


 82.8341, 0.4476,
0.3860

 20.9929, 0.5162,
0.3990


 107.8026, 0.4367,
0.3828

 13.1188, 0.5431,
0.3996


 137.3431, 0.4274,
0.3798

 7.5104, 0.5776,
0.3970

 171.8401, 0.4193,
0.3770

 3.7833, 0.6166,
0.3834

211.6780, 0.4122,
0.3745

 1.5531, 0.6542,
0.3458

257.2410, 0.4060,

 0.3257, 0.7749,

0.3722

0.2251

308.9137, 0.4005,
0.3702

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.0758, 0.4757,
0.3930

45.0758, 0.4757,
0.3930

39.9560, 0.5084,
0.3960

50.9972, 0.4431,
0.3862

35.5973, 0.5389,
0.3941

57.7579, 0.4126,
0.3770

31.9533, 0.5644,
0.3867

65.3924, 0.3850,
0.3664

30.5218, 0.5743,
0.3822

73.9328, 0.3607,
0.3555

83.4097, 0.3396,
0.3447

93.8521, 0.3215,
0.3344

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.



45.0758, 0.4656, 0.3326



45.0758, 0.4757, 0.3930



45.0758, 0.4373, 0.4498

Triad

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



45.0758, 0.4757, 0.3930



45.0758, 0.2206, 0.3843



45.0758, 0.2425, 0.2078

Complementary

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



45.0758, 0.4757, 0.3930



45.6965, 0.2151, 0.2440

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.



45.0758, 0.1922, 0.2069



45.0758, 0.4757, 0.3930



45.0758, 0.1800, 0.2955

Square

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



45.0758, 0.4757, 0.3930



45.0758, 0.2892, 0.4624



45.0758, 0.1713, 0.2344



45.0758, 0.3191, 0.2325

Rectangle

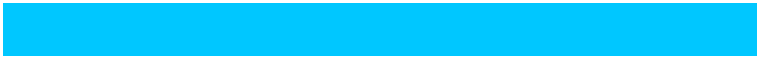
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.0758, 0.4757, 0.3930



45.0758, 0.3936, 0.4766



45.0758, 0.1713, 0.2344



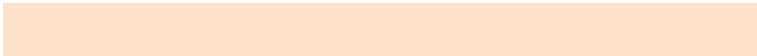
45.0758, 0.2225, 0.2046

Sweetspot

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



45.0756, 0.4757, 0.3930



79.0132, 0.3487, 0.3495



32.0026, 0.3902, 0.2307



16.3472, 0.3547, 0.3526



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.



45.0756, 0.4757, 0.3930



38.3395, 0.5195, 0.3960



81.6786, 0.4147, 0.4649



19.1646, 0.3284, 0.3384



16.2191, 0.5714, 0.3845



1.7851, 0.5505, 0.4011

Inverse Universe

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



45.6965, 0.2151, 0.2440



38.8061, 0.2009, 0.2230



19.9142, 0.1898, 0.1380



19.2060, 0.2979, 0.3194



16.1889, 0.1872, 0.1937



1.7896, 0.1919, 0.2107

Previews

White Background



This preview shows how the Yxy color 45.0758, 0.4757, 0.3930 looks on a white background.

Color Contrast Check

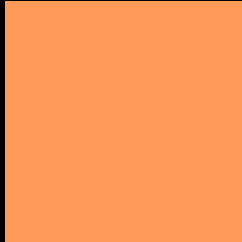
Large Text (above 18pt) WCAG AA × Fail

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 45.0758, 0.4757, 0.3930 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 45.0758, 0.4757, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 45.0758, 0.4757, 0.3930.



This preview shows how white text looks on a background with the Yxy color 45.0758, 0.4757, 0.3930.

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

45.0758, 0.4757, 0.3930

Protanopia

45.5114, 0.3971, 0.4327

Deuteranopia

45.2955, 0.4355, 0.4262



Tritanopia

44.9084, 0.4117, 0.3188

Trichromacy



Original Color

45.0758, 0.4757, 0.3930

Protanomaly

44.9940, 0.4254, 0.4180

Deuteranomaly

45.0586, 0.4506, 0.4142

Tritanomaly

44.7661, 0.4370, 0.3470

Monochromacy



Original Color

45.0758, 0.4757, 0.3930

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3994, 0.3685, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0758, 0.4757, 0.3930 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 88) }
```

Border

The CSS property to change the border of an element to Yxy 45.0758, 0.4757, 0.3930 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, 88) }
```

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

```
.border{ border-color:rgb(255, 154, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0758, 0.4757, 0.3930 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
154, 88) }
```

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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