

Converting Colors

$Y_{xy}(44.1958, 0.4667, 0.3776)$

Have a look what the booklet for
Yxy(44.1958, 0.4667, 0.3776)
contains.

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Color

Yxy(44.3525, 0.4663, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	FF9766
RGB	255, 151, 102
RGB Percent	100%, 59%, 40%
CMY	0.0001, 0.4078, 0.5999
CMYK	0.00, 0.41, 0.60, 0.00
HSL	19°, 100%, 70%
HSV	19°, 60%, 100%
XYZ	54.6987, 44.3525, 18.2524
YIQ	176.5100, 77.7130, 6.8090

Conversions

Conversions Part 2

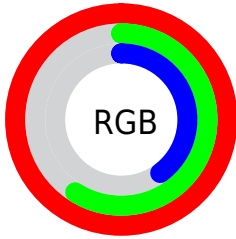
Format	Color
R _Y B	255, 174, 102
Decimal	16750438
CIE Lab	72.46, 34.59, 42.25
CIE LCh	72, 54.598, 50.694
Yxy	44.3525, 0.4663, 0.3781
Android (android.graphics.Color)	4294940518 (0xFFFF9766)
YUV	176.5100, -36.7334, 68.8357
Hunter-Lab	66.5977, 30.0615, 30.3687

Details

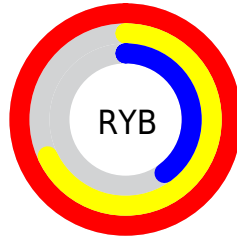
The Yxy color **44.3525, 0.4663, 0.3781** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.1728, 0.2253, 0.2676**, and the grayscale version is **43.8645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7357, 0.3909, 0.3829**, and **20.6501, 0.5073, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **38.7495, 0.5028, 0.3817**, and if you desaturate by 10%, it is **50.9355, 0.4316, 0.3716**.

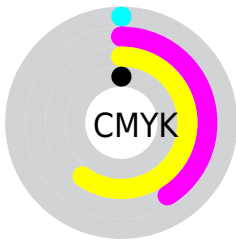
Distribution



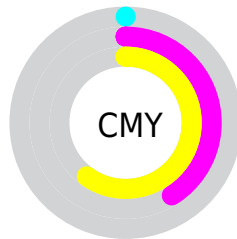
- Red (100%)
- Green (59%)
- Blue (40%)



- Red (100%)
- Yellow (68%)
- Blue (40%)



- Cyan (0%)
- Magenta (41%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3525, 0.4663, 0.3781 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 44.3525, 0.4663, 0.3781 by changing the saturation by 10% instead.


 44.3525, 0.4663,
0.3781

 44.3525, 0.4663,
0.3781


364.1448, 0.3896,
0.3592


 30.9477, 0.4845,
0.3807


 81.7479, 0.4389,
0.3728


 20.5590, 0.5071,
0.3826

 106.5073, 0.4285,
0.3703

 12.8021, 0.5353,
0.3829


 135.8204, 0.4196,
0.3681

 7.2924, 0.5708,
0.3793

 170.0716, 0.4119,
0.3660

 3.6456, 0.6266,
0.3734

209.6452, 0.4052,
0.3641

 1.4774, 0.6669,
0.3331

254.9257, 0.3994,

 0.2727, 0.8058,

0.3623

0.1942

306.2974, 0.3942,
0.3607

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.3525, 0.4663,
0.3781

■ 44.3525, 0.4663,
0.3781

■ 38.7495, 0.5028,
0.3817

■ 50.9355, 0.4316,
0.3716

■ 34.0691, 0.5385,
0.3813

■ 58.5379, 0.4003,
0.3635

■ 30.2579, 0.5699,
0.3758

■ 67.2053, 0.3729,
0.3546

■ 27.2456, 0.5944,
0.3662

■ 76.9780, 0.3494,
0.3457

■ 27.2427, 0.5945,
0.3662

■ 87.8945, 0.3295,
0.3371

99.9909, 0.3127,
0.3290

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



44.3525, 0.4454, 0.3214



44.3525, 0.4663, 0.3781



44.3525, 0.4402, 0.4324

Triad

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



44.3525, 0.4663, 0.3781



44.3525, 0.2395, 0.3980



44.3525, 0.2349, 0.2131

Complementary

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



44.3525, 0.4663, 0.3781



54.1728, 0.2253, 0.2676

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.



44.3525, 0.1933, 0.2181



44.3525, 0.4663, 0.3781



44.3525, 0.1945, 0.3151

Square

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



44.3525, 0.4663, 0.3781



44.3525, 0.3077, 0.4605



44.3525, 0.1795, 0.2511



44.3525, 0.3020, 0.2319

Rectangle

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



44.3525, 0.4663, 0.3781



44.3525, 0.4034, 0.4601



44.3525, 0.1795, 0.2511



44.3525, 0.2180, 0.2120

Sweetspot

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



44.3548, 0.4663, 0.3781



79.0751, 0.3452, 0.3439



35.2438, 0.3691, 0.2274



16.2774, 0.3514, 0.3465



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.



44.3548, 0.4663, 0.3781



37.7441, 0.5101, 0.3820



77.1160, 0.4135, 0.4486



18.9369, 0.3286, 0.3367



14.4754, 0.5915, 0.3685



1.5970, 0.5695, 0.3860

Inverse Universe

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



54.1728, 0.2253, 0.2676



48.1355, 0.2125, 0.2529



26.0253, 0.2027, 0.1674



19.4424, 0.2980, 0.3212



19.7321, 0.1946, 0.2205



2.1189, 0.1984, 0.2344

Previews

White Background



This preview shows how the Yxy color 44.3525, 0.4663, 0.3781 looks on a white background.

Color Contrast Check

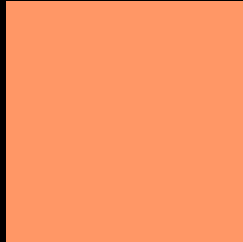
Large Text (above 18pt) WCAG AA × Fail

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 44.3525, 0.4663, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

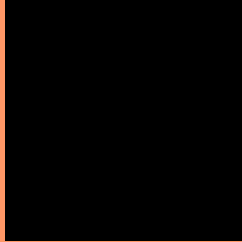
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3525, 0.4663, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 44.3525, 0.4663, 0.3781.



This preview shows how white text looks on a background with the Yxy color 44.3525, 0.4663, 0.3781.

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

44.3525, 0.4663, 0.3781

Protanopia

44.4800, 0.3829, 0.4145

Deuteranopia

44.5367, 0.4221, 0.4132



Tritanopia

44.2181, 0.4147, 0.3188

Trichromacy



Original Color

44.3525, 0.4663, 0.3781

Protanomaly

43.6869, 0.4132, 0.4009

Deuteranomaly

44.0842, 0.4385, 0.4002

Tritanomaly

44.2174, 0.4350, 0.3418

Monochromacy



Original Color

44.3525, 0.4663, 0.3781

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.1864, 0.3642, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3525, 0.4663, 0.3781 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, 151, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 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, 151, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 102) }
```

Border

The CSS property to change the border of an element to Yxy 44.3525, 0.4663, 0.3781 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, 151, 102) }
```

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

```
.border{ border-color:rgb(255, 151, 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, 151, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 151, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 151, 102); box-shadow:4px 4px 4px 4px rgb(255, 151, 102) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3525, 0.4663, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 102) }
```

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

```
.background{ background-color: rgb(255,  
151, 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](#).

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