

# Converting Colors

$Y_{xy}(46.3035, 0.4442, 0.3635)$

Have a look what the booklet for  
Yxy(46.3035, 0.4442, 0.3635)  
contains.

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# Color

**Yxy(46.4421, 0.4443, 0.3643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9C7A
RGB	255, 156, 122
RGB Percent	100%, 61%, 48%
CMY	0.0000, 0.3882, 0.5215
CMYK	0.00, 0.39, 0.52, 0.00
HSL	15°, 100%, 74%
HSV	15°, 52%, 100%
XYZ	56.6407, 46.4421, 24.4003
YIQ	181.7250, 69.9180, 10.4140

# Conversions

## Conversions Part 2

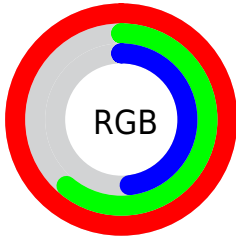
Format	Color
R <sub>Y</sub> B	255, 168, 122
Decimal	16751738
CIE Lab	73.83, 33.55, 33.40
CIE LCh	74, 47.345, 44.869
Yxy	46.4421, 0.4443, 0.3643
Android (android.graphics.Color)	4294941818 (0xFFFF9C7A)
YUV	181.7250, -29.4444, 64.2622
Hunter-Lab	68.1484, 29.0983, 26.4754

# Details

The Yxy color **46.4421, 0.4443, 0.3643** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.0786, 0.2371, 0.2880**, and the grayscale version is **46.7591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9437, 0.3732, 0.3663**, and **21.9838, 0.4802, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **40.0118, 0.4823, 0.3688**, and if you desaturate by 10%, it is **54.0386, 0.4100, 0.3581**.

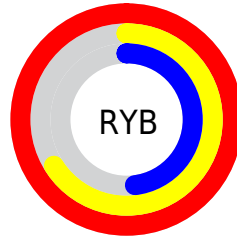
# Distribution



Red (100%)

Green (61%)

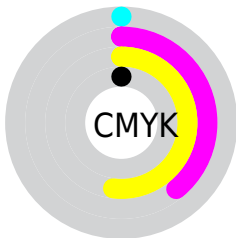
Blue (48%)



Red (100%)

Yellow (66%)

Blue (48%)

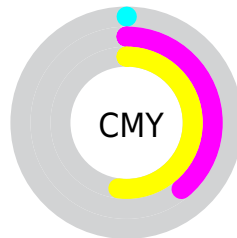


Cyan (0%)

Magenta (39%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4421, 0.4443, 0.3643 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 46.4421, 0.4443, 0.3643 by changing the saturation by 10% instead.





 46.4421, 0.4443,  
0.3643


 46.4421, 0.4443,  
0.3643


372.5832, 0.3783,  
0.3505


 32.5948, 0.4604,  
0.3664


 84.8803, 0.4205,  
0.3603

 21.8162, 0.4805,  
0.3682


 110.2399, 0.4115,  
0.3585

 13.7219, 0.5065,  
0.3692


 140.2059, 0.4039,  
0.3568

 7.9275, 0.5406,  
0.3679

175.1624, 0.3973,  
0.3553

 4.0486, 0.5891,  
0.3628

215.4941, 0.3916,  
0.3540

 1.7008, 0.6558,  
0.3442

261.5851, 0.3866,

 0.4242, 0.7515,

0.3527

0.2485

313.8201, 0.3822,  
0.3516

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.4421, 0.4443,  
0.3643

46.4421, 0.4443,  
0.3643

40.0118, 0.4823,  
0.3688

54.0386, 0.4100,  
0.3581

34.6811, 0.5219,  
0.3704

62.8490, 0.3803,  
0.3511

30.3874, 0.5596,  
0.3681

72.9271, 0.3550,  
0.3439

27.0580, 0.5910,  
0.3615

84.3212, 0.3338,  
0.3369

■ 25.0582, 0.6096,  
0.3541

■ 97.0769, 0.3161,  
0.3303

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



46.4421, 0.4177, 0.3144



46.4421, 0.4443, 0.3643



46.4421, 0.4305, 0.4122

# Triad

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



46.4421, 0.4443, 0.3643



46.4421, 0.2608, 0.3999



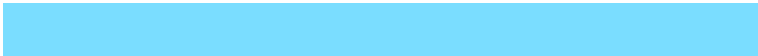
46.4421, 0.2365, 0.2268

# Complementary

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



46.4421, 0.4443, 0.3643



63.0786, 0.2371, 0.2880

# Split Complementary

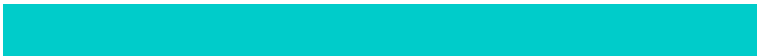
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.4421, 0.2040, 0.2365



46.4421, 0.4443, 0.3643



46.4421, 0.2160, 0.3314

# Square

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



46.4421, 0.4443, 0.3643



46.4421, 0.3225, 0.4447



46.4421, 0.1968, 0.2717



46.4421, 0.2915, 0.2393



# Rectangle

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



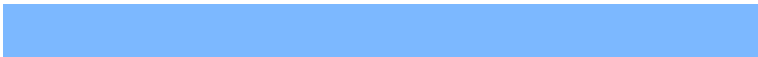
46.4421, 0.4443, 0.3643



46.4421, 0.4027, 0.4372



46.4421, 0.1968, 0.2717



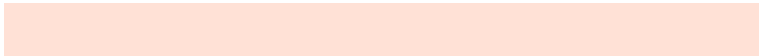
46.4421, 0.2229, 0.2274

# Sweetspot

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



46.4445, 0.4443, 0.3643



79.7741, 0.3415, 0.3396



40.4454, 0.3500, 0.2307



16.5723, 0.3459, 0.3410



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.



46.4445, 0.4443, 0.3643



39.5158, 0.4856, 0.3691



74.7751, 0.4053, 0.4280



18.7414, 0.3288, 0.3351



13.2951, 0.6069, 0.3563



1.4609, 0.5851, 0.3736



# Inverse Universe

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



63.0786, 0.2371, 0.2880



57.6832, 0.2250, 0.2777



34.8919, 0.2199, 0.2028



19.6492, 0.2980, 0.3228



23.2301, 0.2011, 0.2438



2.4372, 0.2041, 0.2546



# Previews

## White Background



This preview shows how the Yxy color 46.4421, 0.4443, 0.3643 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 46.4421, 0.4443, 0.3643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

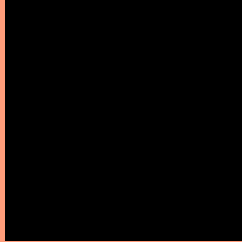
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4421, 0.4443, 0.3643**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4421, 0.4443, 0.3643.



This preview shows how white text looks on a background with the Yxy color 46.4421, 0.4443, 0.3643.

# 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

46.4421, 0.4443, 0.3643

### Protanopia

46.7515, 0.3648, 0.3924

### Deuteranopia

46.6641, 0.4031, 0.3945



## Tritanopia

46.3608, 0.4049, 0.3177

# Trichromacy



**Original Color**

46.4421, 0.4443, 0.3643

**Protanomaly**

46.2238, 0.3930, 0.3822

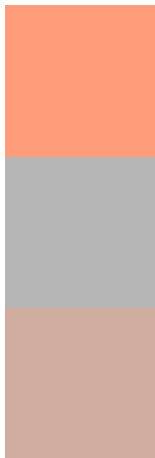
**Deuteranomaly**

46.1493, 0.4185, 0.3825

**Tritanomaly**

46.1806, 0.4200, 0.3346

# Monochromacy



**Original Color**

46.4421, 0.4443, 0.3643

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

45.9805, 0.3573, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4421, 0.4443, 0.3643 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, 156, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 122)  
}
```

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, 156, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4421, 0.4443, 0.3643 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, 156, 122) }
```

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

```
.border{ border-color:rgb(255, 156, 122) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 156, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4421, 0.4443, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 122) }
```

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

```
.background{ background-color: rgb(255,  
156, 122) }
```

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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