

# Converting Colors

$Y_{xy}(42.3291, 0.4649, 0.3646)$

Have a look what the booklet for  
Yxy(42.3291, 0.4649, 0.3646)  
contains.

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# Color

**Yxy(42.3106, 0.4650, 0.3645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF906D
RGB	255, 144, 109
RGB Percent	100%, 56%, 43%
CMY	0.0000, 0.4353, 0.5725
CMYK	0.00, 0.44, 0.57, 0.00
HSL	14°, 100%, 71%
HSV	14°, 57%, 100%
XYZ	53.9765, 42.3106, 19.7914
YIQ	173.1990, 77.3910, 12.6470

# Conversions

## Conversions Part 2

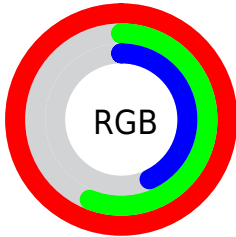
Format	Color
R <sub>Y</sub> B	255, 155, 109
Decimal	16748653
CIE Lab	71.08, 38.69, 36.85
CIE LCh	71, 53.434, 43.606
Yxy	42.3106, 0.4650, 0.3645
Android (android.graphics.Color)	4294938733 (0xFFFF906D)
YUV	173.1990, -31.6501, 71.7395
Hunter-Lab	65.0466, 34.2900, 27.4928

# Details

The Yxy color **42.3106, 0.4650, 0.3645** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.6612, 0.2318, 0.2861**, and the grayscale version is **42.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6801, 0.3883, 0.3688**, and **19.4499, 0.5078, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **36.4618, 0.5048, 0.3674**, and if you desaturate by 10%, it is **49.3280, 0.4281, 0.3594**.

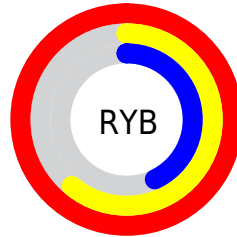
# Distribution



Red (100%)

Green (56%)

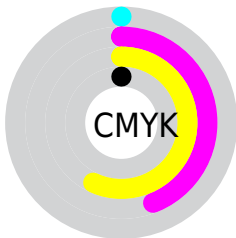
Blue (43%)



Red (100%)

Yellow (61%)

Blue (43%)

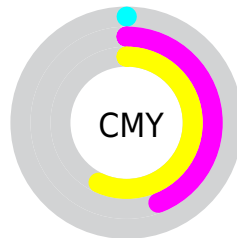


Cyan (0%)

Magenta (44%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3106, 0.4650, 0.3645 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 42.3106, 0.4650, 0.3645 by changing the saturation by 10% instead.





 42.3106, 0.4650,  
0.3645


 42.3106, 0.4650,  
0.3645


355.7689, 0.3878,  
0.3518

 29.3446, 0.4838,  
0.3658

 78.6695, 0.4371,  
0.3612

 19.3416, 0.5075,  
0.3663

 102.8311, 0.4266,  
0.3596

 11.9174, 0.5377,  
0.3650


 131.4935, 0.4176,  
0.3580

 6.6875, 0.5768,  
0.3595

 165.0408, 0.4099,  
0.3566

 3.2674, 0.6455,  
0.3545

203.8577, 0.4033,  
0.3552

 1.2729, 0.6917,  
0.3083

248.3284, 0.3975,

 0.1201, 0.8998,

0.3540

0.1002

298.8373, 0.3924,  
0.3528

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.3106, 0.4650,  
0.3645

42.3106, 0.4650,  
0.3645

36.4618, 0.5048,  
0.3674

49.3280, 0.4281,  
0.3594

31.7147, 0.5447,  
0.3669


57.5730, 0.3955,  
0.3532


27.9967, 0.5801,  
0.3624

67.1023, 0.3676,  
0.3464

25.2246, 0.6069,  
0.3539

77.9682, 0.3443,  
0.3397

 24.6106, 0.6130,  
0.3515

 90.2204, 0.3248,  
0.3334

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.



42.3106, 0.4328, 0.3087



42.3106, 0.4650, 0.3645



42.3106, 0.4493, 0.4200

# Triad

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



42.3106, 0.4650, 0.3645



42.3106, 0.2545, 0.4159



42.3106, 0.2231, 0.2126

# Complementary

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



42.3106, 0.4650, 0.3645



61.6612, 0.2318, 0.2861

# 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.



42.3106, 0.1881, 0.2238



42.3106, 0.4650, 0.3645



42.3106, 0.2031, 0.3340

# Square

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



42.3106, 0.4650, 0.3645



42.3106, 0.3254, 0.4668



42.3106, 0.1810, 0.2639



42.3106, 0.2845, 0.2260



# Rectangle

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



42.3106, 0.4650, 0.3645



42.3106, 0.4173, 0.4510



42.3106, 0.1810, 0.2639



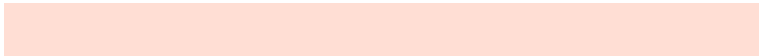
42.3106, 0.2083, 0.2134

# Sweetspot

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



42.3110, 0.4650, 0.3645



78.2601, 0.3437, 0.3396



37.4157, 0.3523, 0.2206



16.2586, 0.3481, 0.3409



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.



42.3110, 0.4650, 0.3645



35.5546, 0.5119, 0.3676



71.5111, 0.4162, 0.4341



18.6938, 0.3288, 0.3348



13.0505, 0.6103, 0.3537



1.4313, 0.5887, 0.3707

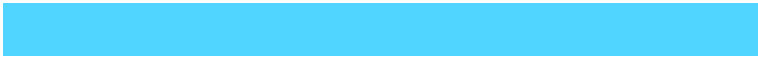


# Inverse Universe

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



61.6612, 0.2318, 0.2861



56.3851, 0.2202, 0.2757



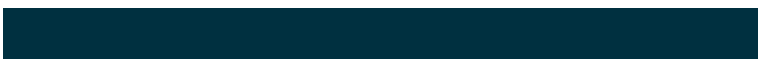
31.6321, 0.2112, 0.1912



19.7001, 0.2980, 0.3232



24.1483, 0.2026, 0.2494



2.5198, 0.2054, 0.2595



# Previews

## White Background



This preview shows how the Yxy color 42.3106, 0.4650, 0.3645 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 42.3106, 0.4650, 0.3645 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 42.3106, 0.4650, 0.3645**

## Background



This preview shows how black text looks on a background with the Yxy color 42.3106, 0.4650, 0.3645.



This preview shows how white text looks on a background with the Yxy color 42.3106, 0.4650, 0.3645.

# 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

42.3106, 0.4650, 0.3645

### Protanopia

42.3439, 0.3715, 0.4000

### Deuteranopia

42.6544, 0.4126, 0.4044



## Tritanopia

42.2182, 0.4239, 0.3189

# Trichromacy



## Original Color

42.3106, 0.4650, 0.3645



## Protanomaly

41.4758, 0.4043, 0.3859



## Deuteranomaly

42.3309, 0.4325, 0.3896



## Tritanomaly

42.0590, 0.4399, 0.3356

# Monochromacy



## Original Color

42.3106, 0.4650, 0.3645



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

40.7392, 0.3641, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3106, 0.4650, 0.3645 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, 144, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 109)  
}
```

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, 144, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3106, 0.4650, 0.3645 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, 144, 109) }
```

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

```
.border{ border-color:rgb(255, 144, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3106, 0.4650, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 109) }
```

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

```
.background{ background-color: rgb(255,  
144, 109) }
```

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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