

# Converting Colors

$Y_{xy}(58.7666, 0.4583, 0.3601)$

Have a look what the booklet for  
Yxy(58.7666, 0.4583, 0.3601)  
contains.

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# Color

**Yxy(50.9587, 0.4269, 0.3658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA885
RGB	255, 168, 133
RGB Percent	100%, 66%, 52%
CMY	0.0001, 0.3411, 0.4786
CMYK	0.00, 0.34, 0.48, 0.00
HSL	17°, 100%, 76%
HSV	17°, 48%, 100%
XYZ	59.4704, 50.9587, 28.8785
YIQ	190.0230, 63.0870, 7.5590

# Conversions

## Conversions Part 2

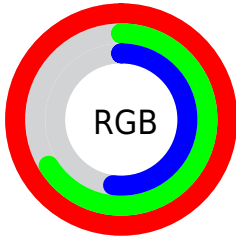
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 182, 133
Decimal	16754821
CIE <sub>Lab</sub>	76.65, 28.28, 31.25
CIE <sub>LCh</sub>	77, 42.147, 47.853
Yxy	50.9587, 0.4269, 0.3658
Android (android.graphics.Color)	4294944901 (0xFFFFA885)
YUV	190.0230, -28.1123, 56.9848
Hunter-Lab	71.3854, 23.7821, 25.9844

# Details

The Yxy color **50.9587, 0.4269, 0.3658** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.3541, 0.2415, 0.2871**, and the grayscale version is **51.6444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1165, 0.3615, 0.3678**, and **24.4881, 0.4575, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **44.0913, 0.4622, 0.3719**, and if you desaturate by 10%, it is **58.9400, 0.3954, 0.3583**.

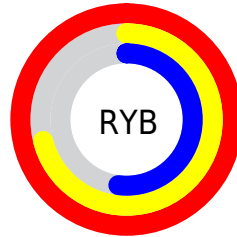
# Distribution



Red (100%)

Green (66%)

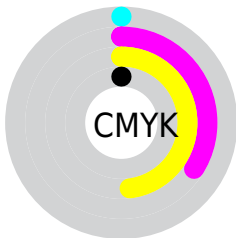
Blue (52%)



Red (100%)

Yellow (71%)

Blue (52%)

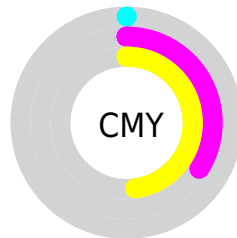


Cyan (0%)

Magenta (34%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9587, 0.4269, 0.3658 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 50.9587, 0.4269, 0.3658 by changing the saturation by 10% instead.





 50.9587, 0.4269,  
0.3658


 50.9587, 0.4269,  
0.3658


390.4033, 0.3704,  
0.3506


 36.1757, 0.4405,  
0.3685


 91.5937, 0.4067,  
0.3610

 24.5700, 0.4576,  
0.3714


 118.2146, 0.3990,  
0.3590

 15.7569, 0.4795,  
0.3742


 149.5502, 0.3924,  
0.3572

 9.3523, 0.5084,  
0.3761

185.9849, 0.3868,  
0.3556

 4.9717, 0.5474,  
0.3749

227.9032, 0.3819,  
0.3542

 2.2307, 0.6221,  
0.3779

275.6895, 0.3776,

 0.7366, 0.6733,

0.3528

329.7280, 0.3738,  
0.3517

0.3267

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

50.9587, 0.4269,  
0.3658

50.9587, 0.4269,  
0.3658

44.0913, 0.4622,  
0.3719

58.9400, 0.3954,  
0.3583

38.2790, 0.5000,  
0.3756

68.0755, 0.3682,  
0.3503

33.4686, 0.5377,  
0.3755

78.4124, 0.3452,  
0.3423

29.5986, 0.5714,  
0.3709

89.9931, 0.3257,  
0.3347

■ 26.5978, 0.5977,  
0.3619

99.9973, 0.3127,  
0.3290

■ 26.0551, 0.6025,  
0.3598

# Harmonies

## Analogous

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



50.9587, 0.4070, 0.3213



50.9587, 0.4269, 0.3658



50.9587, 0.4127, 0.4065

# Triad

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



50.9587, 0.4269, 0.3658



50.9587, 0.2634, 0.3842



50.9587, 0.2503, 0.2393

# Complementary

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



50.9587, 0.4269, 0.3658



63.3541, 0.2415, 0.2871

# 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.



50.9587, 0.2191, 0.2466



50.9587, 0.4269, 0.3658



50.9587, 0.2256, 0.3261

# Square

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



50.9587, 0.4269, 0.3658



50.9587, 0.3166, 0.4253



50.9587, 0.2104, 0.2760



50.9587, 0.3003, 0.2521



# Rectangle

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



50.9587, 0.4269, 0.3658



50.9587, 0.3874, 0.4258



50.9587, 0.2104, 0.2760



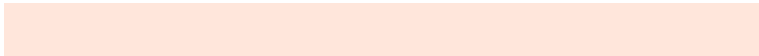
50.9587, 0.2375, 0.2394

# Sweetspot

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



50.9612, 0.4269, 0.3658



82.7367, 0.3373, 0.3393



43.2118, 0.3500, 0.2416



17.1872, 0.3416, 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.



50.9612, 0.4269, 0.3658



44.6416, 0.4591, 0.3715



78.7384, 0.3952, 0.4242



18.8368, 0.3287, 0.3359



13.8354, 0.5996, 0.3621

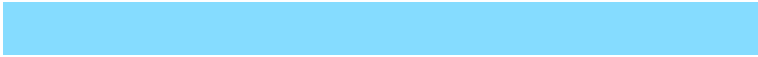


1.5245, 0.5776, 0.3796

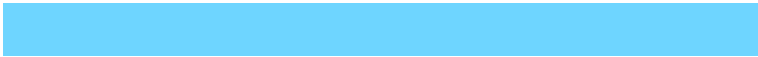


# Inverse Universe

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



63.3541, 0.2415, 0.2871



58.2250, 0.2302, 0.2775



37.1376, 0.2271, 0.2099



19.5479, 0.2980, 0.3220



21.4686, 0.1979, 0.2324



2.2776, 0.2013, 0.2448



# Previews

## White Background



This preview shows how the Yxy color 50.9587, 0.4269, 0.3658 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 50.9587, 0.4269, 0.3658 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 50.9587, 0.4269, 0.3658**

## Background



This preview shows how black text looks on a background with the Yxy color 50.9587, 0.4269, 0.3658.



This preview shows how white text looks on a background with the Yxy color 50.9587, 0.4269, 0.3658.

# 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

50.9587, 0.4269, 0.3658

### Protanopia

51.0447, 0.3623, 0.3876

### Deuteranopia

50.8282, 0.3965, 0.3882



## Tritanopia

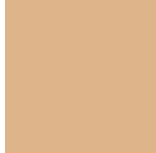
50.9061, 0.3884, 0.3176

# Trichromacy



## Original Color

50.9587, 0.4269, 0.3658



## Protanomaly

50.4414, 0.3852, 0.3787



## Deuteranomaly

50.6939, 0.4082, 0.3794



## Tritanomaly

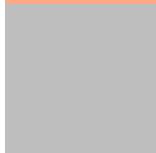
50.7083, 0.4027, 0.3345

# Monochromacy



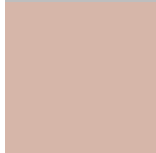
## Original Color

50.9587, 0.4269, 0.3658



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

50.6166, 0.3516, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9587, 0.4269, 0.3658 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, 168, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 133)  
}
```

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, 168, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9587, 0.4269, 0.3658 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, 168, 133) }
```

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

```
.border{ border-color:rgb(255, 168, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9587, 0.4269, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 133) }
```

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

```
.background{ background-color: rgb(255,  
168, 133) }
```

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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