

# Converting Colors

$Y_{xy}(72.5575, 0.4560, 0.3619)$

Have a look what the booklet for  
Yxy(72.5575, 0.4560, 0.3619)  
contains.

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# Color

**Yxy(58.4531, 0.4062, 0.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBA92
RGB	255, 186, 146
RGB Percent	100%, 73%, 57%
CMY	0.0000, 0.2706, 0.4274
CMYK	0.00, 0.27, 0.43, 0.00
HSL	22°, 100%, 79%
HSV	22°, 43%, 100%
XYZ	63.9991, 58.4531, 35.1034
YIQ	202.0710, 53.9640, 2.1880

# Conversions

## Conversions Part 2

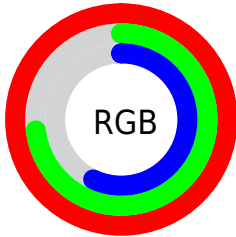
Format	Color
R <sub>Y</sub> B	255, 209, 146
Decimal	16759442
CIE Lab	80.99, 20.18, 30.09
CIE LCh	81, 36.228, 56.145
Yxy	58.4531, 0.4062, 0.3710
Android (android.graphics.Color)	4294949522 (0xFFFFBA92)
YUV	202.0710, -27.6430, 46.4187
Hunter-Lab	76.4546, 15.6242, 26.2958

# Details

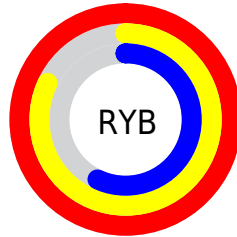
The Yxy color **58.4531, 0.4062, 0.3710** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.9392, 0.2466, 0.2817**, and the grayscale version is **59.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9344, 0.3479, 0.3709**, and **29.3370, 0.4298, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **51.3184, 0.4369, 0.3800**, and if you desaturate by 10%, it is **66.5227, 0.3788, 0.3610**.

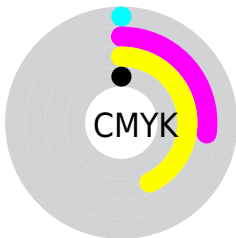
# Distribution



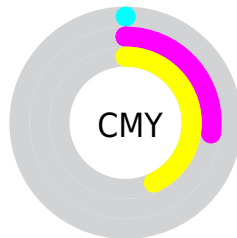
- Red (100%)
- Green (73%)
- Blue (57%)



- Red (100%)
- Yellow (82%)
- Blue (57%)



- Cyan (0%)
- Magenta (27%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4531, 0.4062, 0.3710 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 58.4531, 0.4062, 0.3710 by changing the saturation by 10% instead.




 58.4531, 0.4062,  
0.3710

 58.4531, 0.4062,  
0.3710


418.8722, 0.3611,  
0.3527

 42.1730, 0.4168,  
0.3747


 102.5824, 0.3902,  
0.3650

 29.2368, 0.4301,  
0.3790


 131.2004, 0.3841,  
0.3625

 19.2600, 0.4469,  
0.3840


164.6998, 0.3789,  
0.3604

 11.8583, 0.4690,  
0.3894

203.4651, 0.3743,  
0.3585

 6.6473, 0.4987,  
0.3946

247.8805, 0.3704,  
0.3568

 3.2425, 0.5457,  
0.4015

298.3306, 0.3669,

 1.2596, 0.6057,

0.3553

0.3943

355.1997, 0.3638,  
0.3539

0.1096, 0.8449,  
0.1551

0.0000, 0.0000,  
0.0000

58.4531, 0.4062,  
0.3710

58.4531, 0.4062,  
0.3710

51.3184, 0.4369,  
0.3800

66.5227, 0.3788,  
0.3610

45.0973, 0.4703,  
0.3869

75.5783, 0.3549,  
0.3508

39.7442, 0.5046,  
0.3905

85.6478, 0.3345,  
0.3409

35.2153, 0.5373,  
0.3895

96.7625, 0.3170,  
0.3315

■ 31.4615, 0.5655, 100.0000, 0.3127,  
0.3832 0.3290

■ 29.1849, 0.5822,  
0.3759

# Harmonies

## Analogous

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



58.4531, 0.3972, 0.3338



58.4531, 0.4062, 0.3710



58.4531, 0.3882, 0.4014

# Triad

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



58.4531, 0.4062, 0.3710



58.4531, 0.2619, 0.3615



58.4531, 0.2714, 0.2552

# Complementary

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



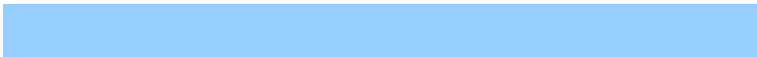
58.4531, 0.4062, 0.3710



61.9392, 0.2466, 0.2817

# 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.



58.4531, 0.2399, 0.2569



58.4531, 0.4062, 0.3710



58.4531, 0.2347, 0.3148

# Square

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



58.4531, 0.4062, 0.3710



58.4531, 0.3039, 0.4000



58.4531, 0.2271, 0.2772



58.4531, 0.3161, 0.2700



# Rectangle

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



58.4531, 0.4062, 0.3710



58.4531, 0.3644, 0.4125



58.4531, 0.2271, 0.2772



58.4531, 0.2591, 0.2538

# Sweetspot

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



58.4477, 0.4062, 0.3710



85.3778, 0.3350, 0.3411



46.7262, 0.3534, 0.2589



17.7809, 0.3392, 0.3433



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.



58.4477, 0.4062, 0.3710



52.4957, 0.4313, 0.3785



85.9307, 0.3822, 0.4226



19.0782, 0.3285, 0.3378



15.5091, 0.5792, 0.3783

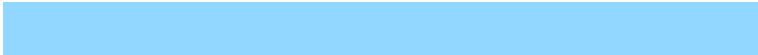


1.7099, 0.5577, 0.3953

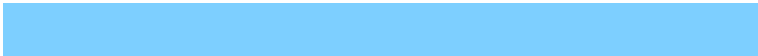


# Inverse Universe

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



61.9392, 0.2466, 0.2817



56.3433, 0.2349, 0.2707



38.6584, 0.2351, 0.2135



19.2953, 0.2979, 0.3201



17.4694, 0.1900, 0.2038



1.9095, 0.1944, 0.2197



# Previews

## White Background



This preview shows how the Yxy color 58.4531, 0.4062, 0.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

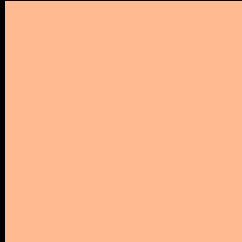
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4531, 0.4062, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

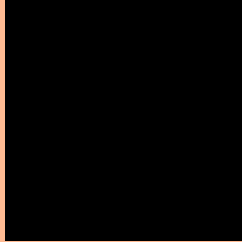
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4531, 0.4062, 0.3710**

## Background



This preview shows how black text looks on a background with the Yxy color 58.4531, 0.4062, 0.3710.



This preview shows how white text looks on a background with the Yxy color 58.4531, 0.4062, 0.3710.

# 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

58.4531, 0.4062, 0.3710

### Protanopia

58.5203, 0.3602, 0.3857

### Deuteranopia

58.5350, 0.3901, 0.3820



## Tritanopia

58.6109, 0.3658, 0.3166

# Trichromacy



**Original Color**

58.4531, 0.4062, 0.3710

**Protanomaly**

58.5049, 0.3771, 0.3812

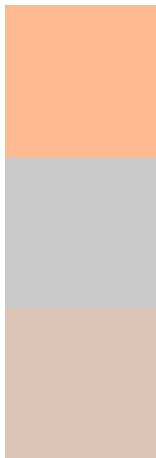
**Deuteranomaly**

58.2837, 0.3966, 0.3778

**Tritanomaly**

58.3013, 0.3804, 0.3355

# Monochromacy



**Original Color**

58.4531, 0.4062, 0.3710

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.2294, 0.3439, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4531, 0.4062, 0.3710 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, 186, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 146)  
}
```

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, 186, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4531, 0.4062, 0.3710 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, 186, 146) }
```

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

```
.border{ border-color:rgb(255, 186, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 186, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 186, 146); box-shadow:4px 4px 4px 4px rgb(255, 186, 146) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4531, 0.4062, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 146) }
```

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

```
.background{ background-color: rgb(255,  
186, 146) }
```

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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