

# Converting Colors

$Yxy(66.8740, 0.4250, 0.3769)$

Have a look what the booklet for  
Yxy(66.8740, 0.4250, 0.3769)  
contains.

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# Color

**Yxy(61.8572, 0.4040, 0.3811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC290
RGB	255, 194, 144
RGB Percent	100%, 76%, 56%
CMY	0.0000, 0.2392, 0.4352
CMYK	0.00, 0.24, 0.44, 0.00
HSL	27°, 100%, 78%
HSV	27°, 44%, 100%
XYZ	65.5742, 61.8572, 34.8809
YIQ	206.5390, 52.4060, -2.6180

# Conversions

## Conversions Part 2

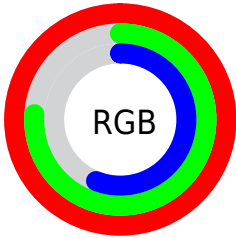
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 235, 144
Decimal	16761488
CIE Lab	82.84, 15.79, 33.56
CIE LCh	83, 37.088, 64.810
Yxy	61.8572, 0.4040, 0.3811
Android (android.graphics.Color)	4294951568 (0xFFFFC290)
YUV	206.5390, -30.8317, 42.5003
Hunter-Lab	78.6493, 11.1886, 28.7595

# Details

The Yxy color **61.8572, 0.4040, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.8324, 0.2435, 0.2692**, and the grayscale version is **62.2607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3316, 0.3474, 0.3813**, and **31.2822, 0.4265, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **55.2134, 0.4321, 0.3921**, and if you desaturate by 10%, it is **69.2628, 0.3783, 0.3690**.

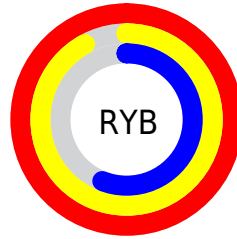
# Distribution



Red (100%)

Green (76%)

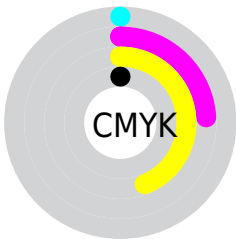
Blue (56%)



Red (100%)

Yellow (92%)

Blue (56%)

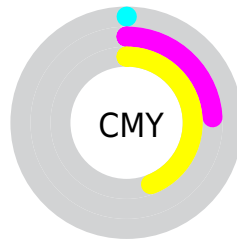


Cyan (0%)

Magenta (24%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8572, 0.4040, 0.3811 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 61.8572, 0.4040, 0.3811 by changing the saturation by 10% instead.




 61.8572, 0.4040,  
0.3811


 61.8572, 0.4040,  
0.3811


431.4100, 0.3606,  
0.3581

 44.9173, 0.4140,  
0.3859


 107.5191, 0.3888,  
0.3735

 31.3923, 0.4264,  
0.3915

 137.0100, 0.3829,  
0.3704

 20.8978, 0.4420,  
0.3981


171.4532, 0.3779,  
0.3677

 13.0493, 0.4621,  
0.4056

211.2333, 0.3735,  
0.3653

 7.4625, 0.4884,  
0.4136

256.7347, 0.3696,  
0.3632

 3.7530, 0.5291,  
0.4248

308.3416, 0.3663,

 1.5364, 0.5764,

0.3613

0.4236

366.4386, 0.3632,  
0.3596

0.3141, 0.6853,  
0.3147

0.0000, 0.0000,  
0.0000

61.8572, 0.4040,  
0.3811

61.8572, 0.4040,  
0.3811

55.2134, 0.4321,  
0.3921

69.2628, 0.3783,  
0.3690

49.3077, 0.4620,  
0.4008

77.4611, 0.3555,  
0.3566

44.1081, 0.4921,  
0.4058

86.4756, 0.3356,  
0.3445

39.5812, 0.5205,  
0.4061

96.3301, 0.3182,  
0.3329

■ 35.6894, 0.5449,  
0.4007

100.0000, 0.3127,  
0.3290

■ 33.4787, 0.5584,  
0.3948

# Harmonies

## Analogous

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



61.8572, 0.4031, 0.3448



61.8572, 0.4040, 0.3811



61.8572, 0.3791, 0.4077

# Triad

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



61.8572, 0.4040, 0.3811



61.8572, 0.2519, 0.3480



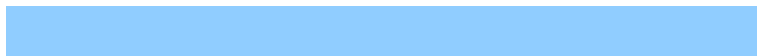
61.8572, 0.2832, 0.2576

# Complementary

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



61.8572, 0.4040, 0.3811



56.8324, 0.2435, 0.2692

# 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.



61.8572, 0.2470, 0.2542



61.8572, 0.4040, 0.3811



61.8572, 0.2300, 0.3023

# Square

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



61.8572, 0.4040, 0.3811



61.8572, 0.2907, 0.3912



61.8572, 0.2284, 0.2691



61.8572, 0.3302, 0.2767



# Rectangle

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



61.8572, 0.4040, 0.3811



61.8572, 0.3523, 0.4145



61.8572, 0.2284, 0.2691



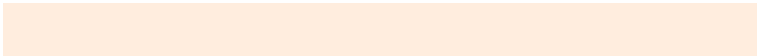
61.8572, 0.2694, 0.2545

# Sweetspot

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



61.8557, 0.4040, 0.3811



86.9644, 0.3346, 0.3438



45.6269, 0.3636, 0.2665



18.1707, 0.3387, 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.



61.8557, 0.4040, 0.3811



56.1730, 0.4277, 0.3905



91.3054, 0.3798, 0.4319



19.3338, 0.3283, 0.3397



17.7819, 0.5556, 0.3970

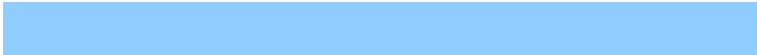


1.9459, 0.5363, 0.4124

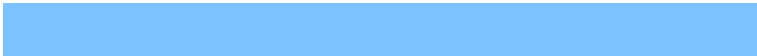


# Inverse Universe

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



56.8324, 0.2435, 0.2692



50.5505, 0.2306, 0.2550



34.8309, 0.2316, 0.1997



19.0333, 0.2979, 0.3180



13.9044, 0.1818, 0.1743



1.5721, 0.1871, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 61.8572, 0.4040, 0.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

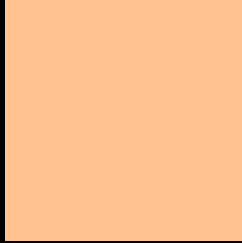
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8572, 0.4040, 0.3811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

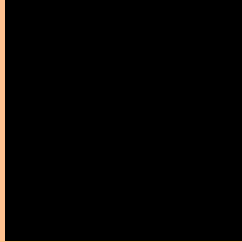
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.8572, 0.4040, 0.3811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8572, 0.4040, 0.3811.



This preview shows how white text looks on a background with the Yxy color 61.8572, 0.4040, 0.3811.

# 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

61.8572, 0.4040, 0.3811

### Protanopia

61.8421, 0.3675, 0.3944

### Deuteranopia

61.9642, 0.3954, 0.3879



## Tritanopia

61.8722, 0.3582, 0.3167

# Trichromacy



## Original Color

61.8572, 0.4040, 0.3811

## Protanomaly

61.8401, 0.3805, 0.3901

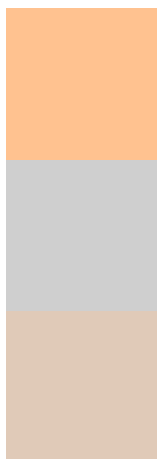
## Deuteranomaly

62.0554, 0.3984, 0.3863

## Tritanomaly

61.8169, 0.3754, 0.3407

# Monochromacy



## Original Color

61.8572, 0.4040, 0.3811

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

61.5490, 0.3436, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8572, 0.4040, 0.3811 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, 194, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 144)  
}
```

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, 194, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8572, 0.4040, 0.3811 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, 194, 144) }
```

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

```
.border{ border-color:rgb(255, 194, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8572, 0.4040, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 144) }
```

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

```
.background{ background-color: rgb(255,  
194, 144) }
```

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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