

# Converting Colors

$Yxy(67.9431, 0.3600, 0.3557)$

Have a look what the booklet for  
Yxy(67.9431, 0.3600, 0.3557)  
contains.

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# Color

**Yxy(67.9431, 0.3600, 0.3557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5D0B7
RGB	245, 208, 183
RGB Percent	96%, 82%, 72%
CMY	0.0392, 0.1843, 0.2822
CMYK	0.00, 0.15, 0.25, 0.04
HSL	24°, 76%, 84%
HSV	24°, 25%, 96%
XYZ	68.7645, 67.9431, 54.3048
YIQ	216.2130, 30.0770, 0.0690

# Conversions

## Conversions Part 2

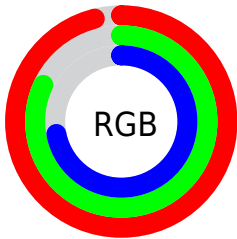
Format	Color
R <sub>Y</sub> B	245, 225, 183
Decimal	16109751
CIE Lab	85.98, 9.30, 17.22
CIE LCh	86, 19.569, 61.622
Yxy	67.9431, 0.3600, 0.3557
Android (android.graphics.Color)	4294299831 (0xFFF5D0B7)
YUV	216.2130, -16.3740, 25.2462
Hunter-Lab	82.4276, 4.6636, 18.6380

# Details

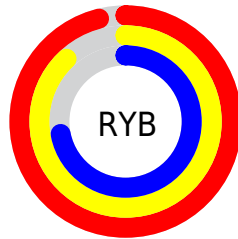
The Yxy color  $67.9431, 0.3600, 0.3557$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $67.8721, 0.2730, 0.3007$ , and the grayscale version is  $68.9242, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.0120, 0.3220, 0.3444$ , and  $35.4143, 0.3715, 0.3622$  is the 20% darker color. If you saturate the color by 10%, you get  $60.2047, 0.3840, 0.3668$ , and if you desaturate by 10%, it is  $76.5234, 0.3391, 0.3447$ .

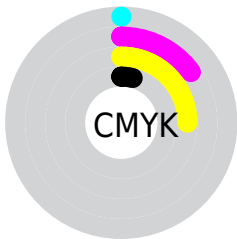
# Distribution



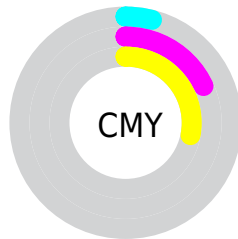
- Red (96%)
- Green (82%)
- Blue (72%)



- Red (96%)
- Yellow (88%)
- Blue (72%)



- Cyan (0%)
- Magenta (15%)
- Yellow (25%)
- Black (4%)




- Cyan (4%)
- Magenta (18%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9431, 0.3600, 0.3557 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 67.9431, 0.3600, 0.3557 by changing the saturation by 10% instead.





 67.9431, 0.3600,  
0.3557

 67.9431, 0.3600,  
0.3557


453.2944, 0.3377,  
0.3436

 49.8514, 0.3652,  
0.3584


 116.2707, 0.3522,  
0.3516

 35.2954, 0.3716,  
0.3617


147.2755, 0.3492,  
0.3499

 23.8905, 0.3798,  
0.3657


183.3535, 0.3466,  
0.3485

 15.2524, 0.3907,  
0.3709

224.8889, 0.3443,  
0.3473

 8.9967, 0.4055,  
0.3777

272.2664, 0.3424,  
0.3462

 4.7390, 0.4271,  
0.3866

325.8702, 0.3406,

 2.0950, 0.4623,

0.3452

0.3999

386.0847, 0.3391,  
0.3444

0.6618, 0.5640,  
0.4360

0.0000, 0.0000,  
0.0000

67.9431, 0.3600,  
0.3557

67.9431, 0.3600,  
0.3557

60.2047, 0.3840,  
0.3668

76.5234, 0.3391,  
0.3447

53.2720, 0.4113,  
0.3776

85.9619, 0.3212,  
0.3343

47.1196, 0.4415,  
0.3870

96.1870, 0.3067,  
0.3260

41.7171, 0.4735,  
0.3941

98.1545, 0.3066,  
0.3290

■ 37.0316, 0.5058,  
0.3974

■ 33.0271, 0.5360,  
0.3958

■ 29.6629, 0.5614,  
0.3888

■ 28.2827, 0.5718,  
0.3842

# Harmonies

## Analogous

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



67.9431, 0.3576, 0.3365



67.9431, 0.3600, 0.3557



67.9431, 0.3492, 0.3688

# Triad

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



67.9431, 0.3600, 0.3557



67.9431, 0.2831, 0.3415



67.9431, 0.2955, 0.2901

# Complementary

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



67.9431, 0.3600, 0.3557



67.8721, 0.2730, 0.3007

# 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.



67.9431, 0.2767, 0.2900



67.9431, 0.3600, 0.3557



67.9431, 0.2698, 0.3188

# Square

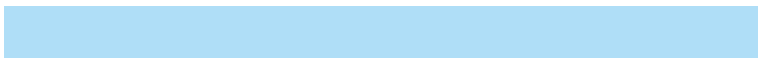
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9431, 0.3600, 0.3557



67.9431, 0.3046, 0.3613



67.9431, 0.2675, 0.3001



67.9431, 0.3196, 0.2996



# Rectangle

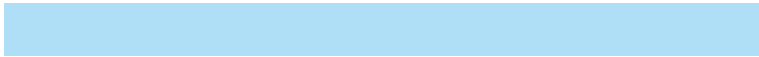
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9431, 0.3600, 0.3557



67.9431, 0.3363, 0.3719



67.9431, 0.2675, 0.3001



67.9431, 0.2884, 0.2889

# Sweetspot

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



67.9462, 0.3600, 0.3557



91.2276, 0.3258, 0.3371



58.4724, 0.3350, 0.2900



19.1882, 0.3284, 0.3386



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.



67.9462, 0.3600, 0.3557



70.2521, 0.3711, 0.3610



84.4584, 0.3524, 0.3865



17.5784, 0.3283, 0.3386



15.4891, 0.5689, 0.3865



1.5572, 0.5461, 0.4046

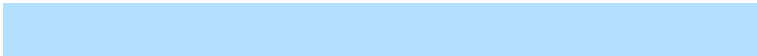


# Inverse Universe

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



67.8721, 0.2730, 0.3007



70.1528, 0.2654, 0.2945



53.1572, 0.2697, 0.2642



17.5725, 0.2980, 0.3192



14.9547, 0.1865, 0.1913

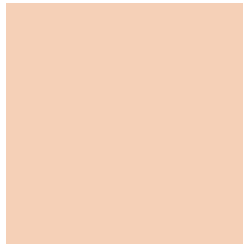


1.5155, 0.1918, 0.2103



# Previews

## White Background



This preview shows how the Yxy color 67.9431, 0.3600, 0.3557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

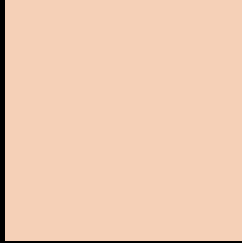
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9431, 0.3600, 0.3557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

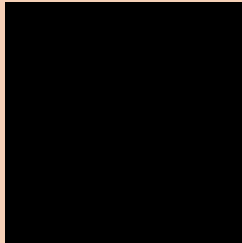
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.9431, 0.3600, 0.3557**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9431, 0.3600, 0.3557.



This preview shows how white text looks on a background with the Yxy color 67.9431, 0.3600, 0.3557.

# 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

67.9431, 0.3600, 0.3557

### Protanopia

68.3148, 0.3413, 0.3613

### Deuteranopia

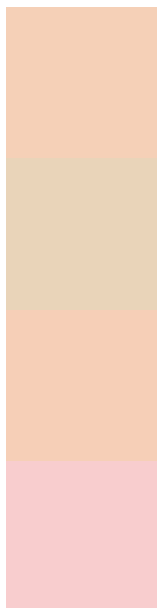
67.8187, 0.3619, 0.3546



## Tritanopia

67.9661, 0.3367, 0.3126

# Trichromacy



## Original Color

67.9431, 0.3600, 0.3557

## Protanomaly

67.9134, 0.3481, 0.3587

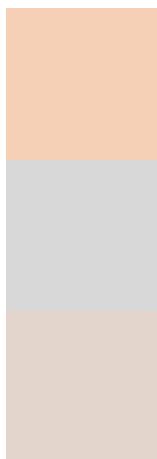
## Deuteranomaly

67.6374, 0.3611, 0.3546

## Tritanomaly

68.0753, 0.3454, 0.3281

# Monochromacy



## Original Color

67.9431, 0.3600, 0.3557

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.2790, 0.3295, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9431, 0.3600, 0.3557 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(245, 208, 183)` looks like.

```
.text, #text, p{  
    color:rgb(245, 208, 183)  
}
```

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(245, 208, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 208, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9431, 0.3600, 0.3557 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(245, 208, 183) }
```

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

```
.border{ border-color:rgb(245, 208, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 208, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 208, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 208, 183);  
box-shadow:4px 4px 4px 4px rgb(245, 208,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9431, 0.3600, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 208, 183) }
```

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

```
.background{ background-color: rgb(245,  
208, 183) }
```

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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