

# Converting Colors

$Y_{xy}(64.9229, 0.3773, 0.3725)$

Have a look what the booklet for  
Yxy(64.9229, 0.3773, 0.3725)  
contains.

<b>Yxy(64.7687, 0.3770, 0.3721)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.7687, 0.3770, 0.3721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5CBA3
RGB	245, 203, 163
RGB Percent	96%, 80%, 64%
CMY	0.0392, 0.2039, 0.3610
CMYK	0.00, 0.17, 0.33, 0.04
HSL	29°, 80%, 80%
HSV	29°, 33%, 96%
XYZ	65.6216, 64.7687, 43.6723
YIQ	210.9980, 37.8720, -3.5360

# Conversions

## Conversions Part 2

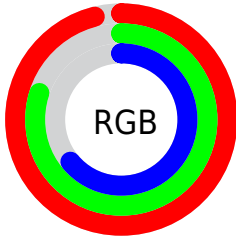
Format	Color
<a href="#">RYB</a>	<a href="#">245, 241, 163</a>
Decimal	<a href="#">16108451</a>
CIELab	<a href="#">84.36, 9.31, 25.55</a>
CIELCh	<a href="#">84, 27.190, 69.976</a>
Yxy	<a href="#">64.7687, 0.3770, 0.3721</a>
Android (android.graphics.Color)	<a href="#">4294298531 (0xFFF5CBA3)</a>
YUV	<a href="#">210.9980, -23.6630, 29.8198</a>
Hunter-Lab	<a href="#">80.4790, 4.7085, 24.1613</a>

# Details

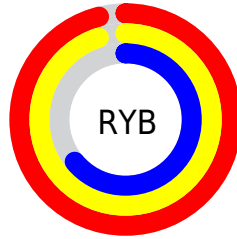
The Yxy color **64.7687, 0.3770, 0.3721** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.0172, 0.2590, 0.2814**, and the grayscale version is **65.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **33.2074, 0.3922, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **58.2908, 0.4017, 0.3851**, and if you desaturate by 10%, it is **71.9019, 0.3548, 0.3588**.

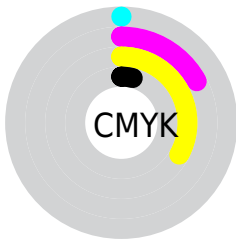
# Distribution



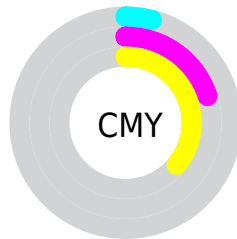
- Red (96%)
- Green (80%)
- Blue (64%)



- Red (96%)
- Yellow (95%)
- Blue (64%)



- Cyan (0%)
- Magenta (17%)
- Yellow (33%)
- Black (4%)




- Cyan (4%)
- Magenta (20%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7687, 0.3770, 0.3721 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 64.7687, 0.3770, 0.3721 by changing the saturation by 10% instead.




 64.7687, 0.3770,  
0.3721

 64.7687, 0.3770,  
0.3721


441.9603, 0.3466,  
0.3525

 47.2736, 0.3841,  
0.3764


 111.7173, 0.3663,  
0.3654

 33.2520, 0.3928,  
0.3817


 141.9394, 0.3622,  
0.3628

 22.3195, 0.4039,  
0.3881


177.1728, 0.3587,  
0.3605

 14.0919, 0.4185,  
0.3962

217.8016, 0.3556,  
0.3585

 8.1846, 0.4381,  
0.4064

264.2104, 0.3529,  
0.3567

 4.2133, 0.4655,  
0.4189

316.7835, 0.3506,

 1.7936, 0.5388,

0.3551

0.4612

375.9054, 0.3484,  
0.3537

0.4832, 0.5869,  
0.4131

0.0000, 0.0000,  
0.0000

64.7687, 0.3770,  
0.3721

64.7687, 0.3770,  
0.3721

58.2908, 0.4017,  
0.3851

71.9019, 0.3548,  
0.3588

52.4381, 0.4285,  
0.3970

79.7015, 0.3353,  
0.3457

47.1911, 0.4567,  
0.4066

88.1893, 0.3182,  
0.3332

42.5252, 0.4849,  
0.4126

96.9937, 0.3066,  
0.3272

■ 38.4138, 0.5113,  
0.4137

■ 98.1538, 0.3066,  
0.3290

■ 34.8262, 0.5341,  
0.4093

■ 32.7487, 0.5468,  
0.4040

# Harmonies

## Analogous

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



64.7687, 0.3793, 0.3465



64.7687, 0.3770, 0.3721



64.7687, 0.3569, 0.3880

# Triad

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



64.7687, 0.3770, 0.3721



64.7687, 0.2647, 0.3373



64.7687, 0.2972, 0.2776

# Complementary

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



64.7687, 0.3770, 0.3721



58.0172, 0.2590, 0.2814

# 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.



64.7687, 0.2684, 0.2733



64.7687, 0.3770, 0.3721



64.7687, 0.2505, 0.3056

# Square

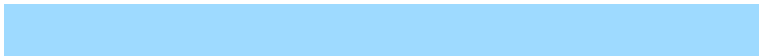
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7687, 0.3770, 0.3721



64.7687, 0.2917, 0.3684



64.7687, 0.2518, 0.2828



64.7687, 0.3317, 0.2938



# Rectangle

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



64.7687, 0.3770, 0.3721



64.7687, 0.3366, 0.3898



64.7687, 0.2518, 0.2828



64.7687, 0.2865, 0.2748

# Sweetspot

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



64.7717, 0.3770, 0.3721



90.4178, 0.3291, 0.3413



50.0176, 0.3508, 0.2839



19.0781, 0.3316, 0.3430



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.



64.7717, 0.3770, 0.3721



66.1716, 0.3930, 0.3808



86.5413, 0.3637, 0.4114



17.8179, 0.3281, 0.3406



17.9166, 0.5443, 0.4060



1.7797, 0.5245, 0.4218

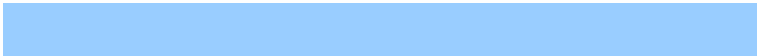


# Inverse Universe

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



58.0172, 0.2590, 0.2814



57.7566, 0.2482, 0.2702



41.0422, 0.2525, 0.2307



17.3294, 0.2980, 0.3171



11.7879, 0.1783, 0.1617

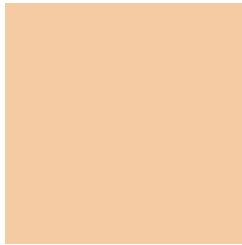


1.2418, 0.1844, 0.1839



# Previews

## White Background



This preview shows how the Yxy color 64.7687, 0.3770, 0.3721 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 64.7687, 0.3770, 0.3721 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 64.7687, 0.3770, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7687, 0.3770, 0.3721.



This preview shows how white text looks on a background with the Yxy color 64.7687, 0.3770, 0.3721.

# 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

64.7687, 0.3770, 0.3721

### Protanopia

64.6937, 0.3554, 0.3789

### Deuteranopia

64.6596, 0.3790, 0.3708



## Tritanopia

64.5573, 0.3439, 0.3125

# Trichromacy



## Original Color

64.7687, 0.3770, 0.3721

## Protanomaly

64.4981, 0.3635, 0.3758

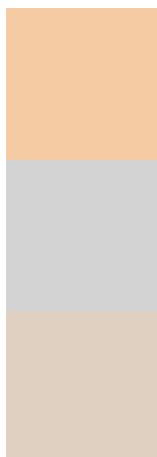
## Deuteranomaly

64.4782, 0.3781, 0.3709

## Tritanomaly

64.6983, 0.3560, 0.3344

# Monochromacy



## Original Color

64.7687, 0.3770, 0.3721

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.6948, 0.3343, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7687, 0.3770, 0.3721 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, 203, 163)` looks like.

```
.text, #text, p{  
    color:rgb(245, 203, 163)  
}
```

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, 203, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 203, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7687, 0.3770, 0.3721 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, 203, 163) }
```

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

```
.border{ border-color:rgb(245, 203, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 203, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 203, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 203, 163); box-shadow:4px 4px 4px 4px rgb(245, 203, 163) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7687, 0.3770, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 203, 163) }
```

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

```
.background{ background-color: rgb(245,  
203, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor