

# Converting Colors

$Y_{xy}(65.8540, 0.3727, 0.3749)$

Have a look what the booklet for  
Yxy(65.8540, 0.3727, 0.3749)  
contains.

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# Color

**Yxy(65.7002, 0.3727, 0.3745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CEA4
RGB	242, 206, 164
RGB Percent	95%, 81%, 64%
CMY	0.0510, 0.1921, 0.3569
CMYK	0.00, 0.15, 0.32, 0.05
HSL	32°, 75%, 80%
HSV	32°, 32%, 95%
XYZ	65.3844, 65.7002, 44.3498
YIQ	211.9760, 34.9380, -5.4300

# Conversions

## Conversions Part 2

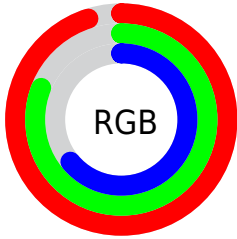
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 242, 164
Decimal	15912612
CIE Lab	84.84, 6.71, 25.61
CIE LCh	85, 26.479, 75.313
Yxy	65.7002, 0.3727, 0.3745
Android (android.graphics.Color)	4294102692 (0xFFFF2CEA4)
YUV	211.9760, -23.6522, 26.3310
Hunter-Lab	81.0557, 2.1415, 24.2983

# Details

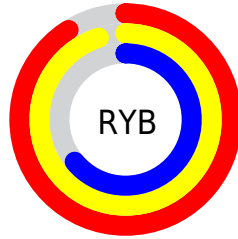
The Yxy color **65.7002, 0.3727, 0.3745** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.5883, 0.2605, 0.2786**, and the grayscale version is **65.9643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **33.9406, 0.3874, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **59.7264, 0.3959, 0.3889**, and if you desaturate by 10%, it is **72.2279, 0.3516, 0.3599**.

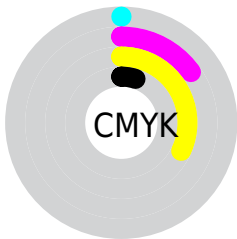
# Distribution



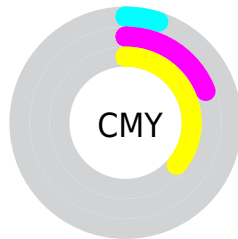
- Red (95%)
- Green (81%)
- Blue (64%)



- Red (91%)
- Yellow (95%)
- Blue (64%)



- Cyan (0%)
- Magenta (15%)
- Yellow (32%)
- Black (5%)




- Cyan (5%)
- Magenta (19%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7002, 0.3727, 0.3745 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 65.7002, 0.3727, 0.3745 by changing the saturation by 10% instead.





 65.7002, 0.3727,  
0.3745


 65.7002, 0.3727,  
0.3745

445.3039, 0.3444,  
0.3536

 48.0291, 0.3792,  
0.3792

 113.0559, 0.3628,  
0.3673

 33.8499, 0.3873,  
0.3848


 143.5093, 0.3590,  
0.3645

 22.7783, 0.3976,  
0.3918


178.9923, 0.3557,  
0.3621

 14.4299, 0.4109,  
0.4007

219.8891, 0.3529,  
0.3600

 8.4203, 0.4288,  
0.4121

266.5844, 0.3504,  
0.3581

 4.3650, 0.4537,  
0.4266

319.4623, 0.3481,

 1.8798, 0.5242,

0.3564

0.4758

378.9074, 0.3462,  
0.3550

0.5362, 0.5568,  
0.4432

0.0000, 0.0000,  
0.0000

65.7002, 0.3727,  
0.3745

65.7002, 0.3727,  
0.3745

59.7264, 0.3959,  
0.3889

72.2279, 0.3516,  
0.3599

54.2802, 0.4209,  
0.4021

79.3167, 0.3328,  
0.3456

49.3458, 0.4469,  
0.4132

86.9852, 0.3161,  
0.3319

44.9035, 0.4728,  
0.4209

94.8703, 0.3048,  
0.3247

■ 40.9308, 0.4969,  
0.4238

■ 97.6141, 0.3047,  
0.3290

■ 37.4027, 0.5178,  
0.4213

■ 34.9435, 0.5316,  
0.4161

# Harmonies

## Analogous

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



65.7002, 0.3782, 0.3509



65.7002, 0.3727, 0.3745



65.7002, 0.3507, 0.3874

# Triad

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



65.7002, 0.3727, 0.3745



65.7002, 0.2626, 0.3313



65.7002, 0.3035, 0.2811

# Complementary

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



65.7002, 0.3727, 0.3745



55.5883, 0.2605, 0.2786

# 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.



65.7002, 0.2740, 0.2748



65.7002, 0.3727, 0.3745



65.7002, 0.2514, 0.3016

# Square

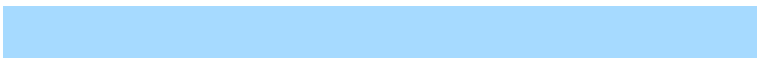
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.7002, 0.3727, 0.3745



65.7002, 0.2870, 0.3624



65.7002, 0.2554, 0.2816



65.7002, 0.3370, 0.2986

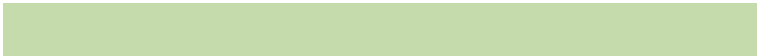


# Rectangle

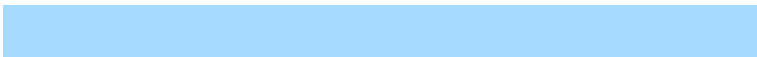
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.7002, 0.3727, 0.3745



65.7002, 0.3302, 0.3869



65.7002, 0.2554, 0.2816



65.7002, 0.2928, 0.2776

# Sweetspot

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



65.7032, 0.3727, 0.3745



91.1904, 0.3289, 0.3425



49.6082, 0.3525, 0.2897



19.2649, 0.3314, 0.3445



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.



65.7032, 0.3727, 0.3745



69.3137, 0.3885, 0.3845



84.5909, 0.3595, 0.4100



17.1698, 0.3280, 0.3417



19.0518, 0.5293, 0.4179



1.7838, 0.5108, 0.4326

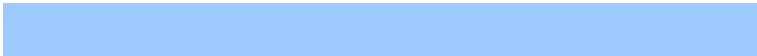


# Inverse Universe

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



55.5883, 0.2605, 0.2786



56.2088, 0.2489, 0.2657



41.1262, 0.2568, 0.2339



16.4300, 0.2980, 0.3159



9.8888, 0.1737, 0.1451

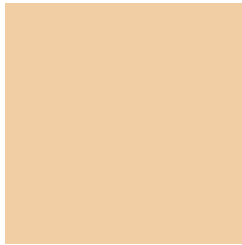


1.0196, 0.1806, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 65.7002, 0.3727, 0.3745 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 65.7002, 0.3727, 0.3745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

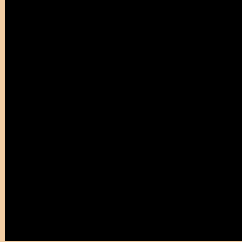
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7002, 0.3727, 0.3745**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7002, 0.3727, 0.3745.



This preview shows how white text looks on a background with the Yxy color 65.7002, 0.3727, 0.3745.

# 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

65.7002, 0.3727, 0.3745

### Protanopia

66.0457, 0.3557, 0.3796

### Deuteranopia

65.3487, 0.3786, 0.3706



## Tritanopia

65.7096, 0.3395, 0.3124

# Trichromacy



**Original Color**

65.7002, 0.3727, 0.3745

**Protanomaly**

66.0022, 0.3618, 0.3778

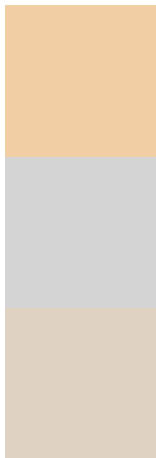
**Deuteranomaly**

65.4589, 0.3767, 0.3719

**Tritanomaly**

65.8194, 0.3521, 0.3355

# Monochromacy



**Original Color**

65.7002, 0.3727, 0.3745

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

65.7213, 0.3333, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7002, 0.3727, 0.3745 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(242, 206, 164)` looks like.

```
.text, #text, p{  
    color:rgb(242, 206, 164)  
}
```

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(242, 206, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 206, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7002, 0.3727, 0.3745 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(242, 206, 164) }
```

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

```
.border{ border-color:rgb(242, 206, 164) }
```

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

Here you see how a box with a 4 pixel rgb(242, 206, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 206, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 206, 164);  
box-shadow:4px 4px 4px 4px rgb(242, 206,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7002, 0.3727, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 206, 164) }
```

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

```
.background{ background-color: rgb(242,  
206, 164) }
```

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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