

# Converting Colors

$Yxy(64.9069, 0.3676, 0.3750)$

Have a look what the booklet for  
Yxy(64.9069, 0.3676, 0.3750)  
contains.

<b>Yxy(64.6921, 0.3670, 0.3742)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.6921, 0.3670, 0.3742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECCEA5
RGB	236, 206, 165
RGB Percent	93%, 81%, 65%
CMY	0.0746, 0.1921, 0.3529
CMYK	0.00, 0.13, 0.30, 0.07
HSL	35°, 65%, 79%
HSV	35°, 30%, 93%
XYZ	63.4474, 64.6921, 44.7416
YIQ	210.2960, 31.0410, -6.3910

# Conversions

## Conversions Part 2

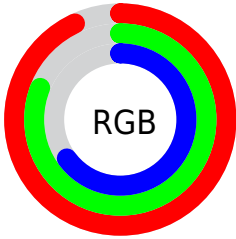
Format	Color
R <sub>Y</sub> B	217, 236, 165
Decimal	15519397
CIE Lab	84.32, 4.55, 24.28
CIE LCh	84, 24.706, 79.398
Yxy	64.6921, 0.3670, 0.3742
Android (android.graphics.Color)	4293709477 (0xFFECCEA5)
YUV	210.2960, -22.3309, 22.5424
Hunter-Lab	80.4314, 0.0527, 23.3207

# Details

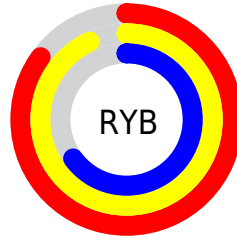
The Yxy color **64.6921, 0.3670, 0.3742** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.0650, 0.2638, 0.2791**, and the grayscale version is **64.7876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **33.2324, 0.3799, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **59.2685, 0.3890, 0.3896**, and if you desaturate by 10%, it is **70.5840, 0.3469, 0.3587**.

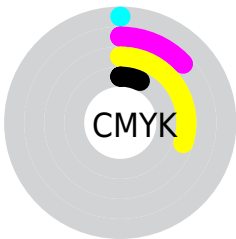
# Distribution



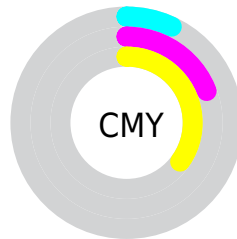
- Red (93%)
- Green (81%)
- Blue (65%)



- Red (85%)
- Yellow (93%)
- Blue (65%)



- Cyan (0%)
- Magenta (13%)
- Yellow (30%)
- Black (7%)




- Cyan (7%)
- Magenta (19%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6921, 0.3670, 0.3742 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 64.6921, 0.3670, 0.3742 by changing the saturation by 10% instead.




 64.6921, 0.3670,  
0.3742

 64.6921, 0.3670,  
0.3742


441.6847, 0.3414,  
0.3532

 47.2115, 0.3729,  
0.3789


 111.6071, 0.3580,  
0.3670

 33.2029, 0.3803,  
0.3848


 141.8102, 0.3546,  
0.3641

 22.2819, 0.3896,  
0.3920


177.0229, 0.3516,  
0.3617

 14.0642, 0.4018,  
0.4014

217.6297, 0.3490,  
0.3596

 8.1653, 0.4183,  
0.4135

264.0148, 0.3467,  
0.3577

 4.2009, 0.4413,  
0.4297

316.5628, 0.3447,

 1.7866, 0.5089,

0.3560

0.4833

375.6579, 0.3430,  
0.3546

0.4788, 0.5418,  
0.4582

0.0000, 0.0000,  
0.0000

64.6921, 0.3670,  
0.3742

64.6921, 0.3670,  
0.3742

59.2685, 0.3890,  
0.3896

70.5840, 0.3469,  
0.3587

54.2901, 0.4125,  
0.4041

76.9489, 0.3289,  
0.3435

49.7445, 0.4369,  
0.4166

83.8025, 0.3128,  
0.3291

45.6150, 0.4611,  
0.4260

90.8709, 0.3012,  
0.3199

■ 41.8835, 0.4837,  
0.4309

■ 96.5675, 0.3011,  
0.3290

■ 38.5290, 0.5036,  
0.4306

■ 35.5411, 0.5199,  
0.4254

# Harmonies

## Analogous

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



64.6921, 0.3744, 0.3531



64.6921, 0.3670, 0.3742



64.6921, 0.3448, 0.3842

# Triad

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



64.6921, 0.3670, 0.3742



64.6921, 0.2634, 0.3272



64.6921, 0.3084, 0.2856

# Complementary

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



64.6921, 0.3670, 0.3742



53.0650, 0.2638, 0.2791

# 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.



64.6921, 0.2796, 0.2781



64.6921, 0.3670, 0.3742



64.6921, 0.2547, 0.3002

# Square

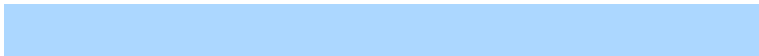
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6921, 0.3670, 0.3742



64.6921, 0.2850, 0.3566



64.6921, 0.2604, 0.2828



64.6921, 0.3397, 0.3033



# Rectangle

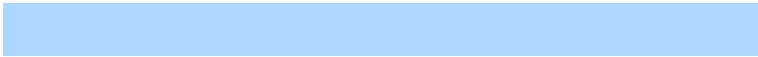
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6921, 0.3670, 0.3742



64.6921, 0.3250, 0.3821



64.6921, 0.2604, 0.2828



64.6921, 0.2981, 0.2818

# Sweetspot

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



64.6951, 0.3670, 0.3742



92.5837, 0.3271, 0.3420



48.7140, 0.3511, 0.2950



19.5698, 0.3296, 0.3441



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.



64.6951, 0.3670, 0.3742



73.1535, 0.3802, 0.3836



79.7181, 0.3547, 0.4050



16.4999, 0.3278, 0.3426



19.8586, 0.5178, 0.4270



1.7491, 0.5005, 0.4408



# Inverse Universe

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



53.0650, 0.2638, 0.2791



57.2434, 0.2533, 0.2671



41.4830, 0.2630, 0.2418



15.5939, 0.2980, 0.3150



8.5646, 0.1703, 0.1331



0.8592, 0.1778, 0.1602



# Previews

## White Background



This preview shows how the Yxy color 64.6921, 0.3670, 0.3742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

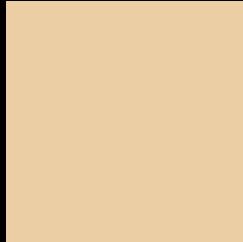
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6921, 0.3670, 0.3742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

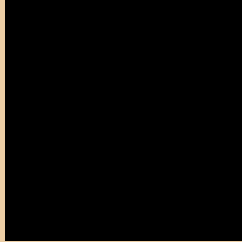
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6921, 0.3670, 0.3742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6921, 0.3670, 0.3742.



This preview shows how white text looks on a background with the Yxy color 64.6921, 0.3670, 0.3742.

# 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

64.6921, 0.3670, 0.3742

### Protanopia

64.7305, 0.3546, 0.3778

### Deuteranopia

64.5871, 0.3758, 0.3677



## Tritanopia

64.6304, 0.3347, 0.3121

# Trichromacy



**Original Color**

64.6921, 0.3670, 0.3742

**Protanomaly**

64.8481, 0.3589, 0.3773

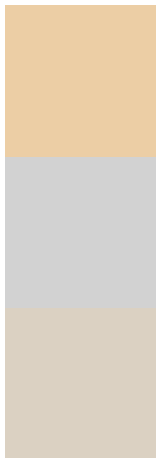
**Deuteranomaly**

64.3423, 0.3721, 0.3692

**Tritanomaly**

64.7975, 0.3465, 0.3345

# Monochromacy



**Original Color**

64.6921, 0.3670, 0.3742

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

64.5560, 0.3310, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6921, 0.3670, 0.3742 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(236, 206, 165)` looks like.

```
.text, #text, p{  
    color:rgb(236, 206, 165)  
}
```

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(236, 206, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 206, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6921, 0.3670, 0.3742 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(236, 206, 165) }
```

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

```
.border{ border-color:rgb(236, 206, 165) }
```

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

Here you see how a box with a 4 pixel rgb(236, 206, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 206, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 206, 165);  
box-shadow:4px 4px 4px 4px rgb(236, 206,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6921, 0.3670, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 206, 165) }
```

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

```
.background{ background-color: rgb(236,  
206, 165) }
```

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