

# Converting Colors

Yxy(67.5188, 0.3664, 0.3780)

Have a look what the booklet for  
Yxy(67.5188, 0.3664, 0.3780)  
contains.

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# Color

**Yxy(67.5188, 0.3664, 0.3780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED3A6
RGB	238, 211, 166
RGB Percent	93%, 83%, 65%
CMY	0.0665, 0.1726, 0.3490
CMYK	0.00, 0.11, 0.30, 0.07
HSL	37°, 68%, 79%
HSV	37°, 30%, 93%
XYZ	65.4468, 67.5188, 45.6556
YIQ	213.9430, 30.5370, -8.2710

# Conversions

## Conversions Part 2

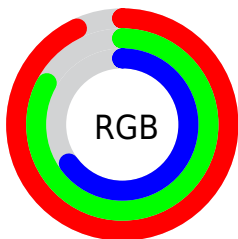
Format	Color
R <sub>Y</sub> B	209, 238, 166
Decimal	15651750
CIE Lab	85.77, 2.88, 25.76
CIE LCh	86, 25.923, 83.622
Yxy	67.5188, 0.3664, 0.3780
Android (android.graphics.Color)	4293841830 (0xFFEED3A6)
YUV	213.9430, -23.6359, 21.0980
Hunter-Lab	82.1698, -1.6251, 24.5759

# Details

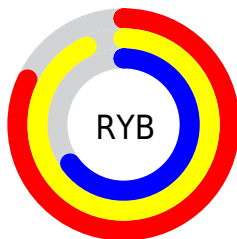
The Yxy color **67.5188, 0.3664, 0.3780** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.4409, 0.2629, 0.2744**, and the grayscale version is **67.3556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **35.1526, 0.3786, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **62.4100, 0.3875, 0.3945**, and if you desaturate by 10%, it is **73.0424, 0.3468, 0.3613**.

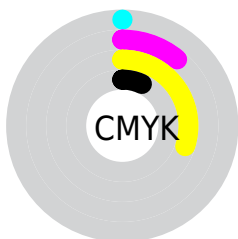
# Distribution



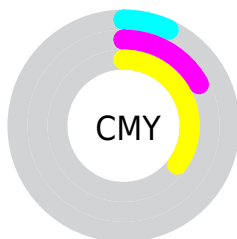
- Red (93%)
- Green (83%)
- Blue (65%)



- Red (82%)
- Yellow (93%)
- Blue (65%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (7%)




- Cyan (7%)
- Magenta (17%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5188, 0.3664, 0.3780 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 67.5188, 0.3664, 0.3780 by changing the saturation by 10% instead.




 67.5188, 0.3664,  
0.3780

 67.5188, 0.3664,  
0.3780

451.7892, 0.3413,  
0.3554

 49.5064, 0.3721,  
0.3831


 115.6635, 0.3577,  
0.3702

 35.0213, 0.3792,  
0.3894


 146.5645, 0.3543,  
0.3671

 23.6793, 0.3881,  
0.3972


182.5305, 0.3514,  
0.3645

 15.0959, 0.3997,  
0.4072

223.9459, 0.3488,  
0.3622

 8.8867, 0.4151,  
0.4202

271.1951, 0.3466,  
0.3602

 4.6674, 0.4362,  
0.4376

324.6624, 0.3446,

 2.0534, 0.4911,

0.3584

0.4854

384.7323, 0.3429,  
0.3568

0.6383, 0.5147,  
0.4853

0.0000, 0.0000,  
0.0000

67.5188, 0.3664,  
0.3780

67.5188, 0.3664,  
0.3780

62.4100, 0.3875,  
0.3945

73.0424, 0.3468,  
0.3613

57.6937, 0.4098,  
0.4100

78.9836, 0.3291,  
0.3450

53.3592, 0.4325,  
0.4234

85.3570, 0.3131,  
0.3294

49.3915, 0.4546,  
0.4336

91.7670, 0.3024,  
0.3208

■ 45.7736, 0.4750,  
0.4394

■ 96.9243, 0.3024,  
0.3290

■ 42.4863, 0.4925,  
0.4400

■ 39.5755, 0.5065,  
0.4360

# Harmonies

## Analogous

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



67.5188, 0.3766, 0.3573



67.5188, 0.3664, 0.3780



67.5188, 0.3417, 0.3863

# Triad

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



67.5188, 0.3664, 0.3780



67.5188, 0.2596, 0.3228



67.5188, 0.3128, 0.2862

# Complementary

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



67.5188, 0.3664, 0.3780



52.4409, 0.2629, 0.2744

# 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.



67.5188, 0.2822, 0.2768



67.5188, 0.3664, 0.3780



67.5188, 0.2527, 0.2959

# Square

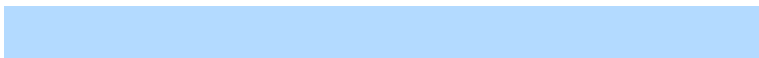
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5188, 0.3664, 0.3780



67.5188, 0.2802, 0.3535



67.5188, 0.2607, 0.2798



67.5188, 0.3448, 0.3057



# Rectangle

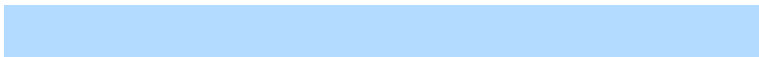
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5188, 0.3664, 0.3780



67.5188, 0.3209, 0.3825



67.5188, 0.2607, 0.2798



67.5188, 0.3020, 0.2818

# Sweetspot

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



67.5219, 0.3664, 0.3780



93.2342, 0.3270, 0.3430



49.3322, 0.3548, 0.2987



19.7302, 0.3295, 0.3453



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.



67.5219, 0.3664, 0.3780



75.3791, 0.3786, 0.3878



80.6891, 0.3523, 0.4062



17.4037, 0.3278, 0.3437



22.3272, 0.5048, 0.4374



2.0479, 0.4905, 0.4487



# Inverse Universe

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



52.4409, 0.2629, 0.2744



55.2630, 0.2526, 0.2619



42.4903, 0.2652, 0.2417



16.2011, 0.2980, 0.3138



7.6916, 0.1665, 0.1193



0.8251, 0.1738, 0.1455



# Previews

## White Background



This preview shows how the Yxy color 67.5188, 0.3664, 0.3780 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 67.5188, 0.3664, 0.3780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

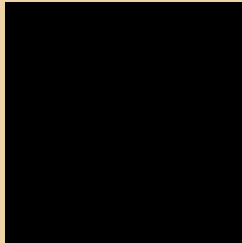
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.5188, 0.3664, 0.3780**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.5188, 0.3664, 0.3780.



This preview shows how white text looks on a background with the Yxy color 67.5188, 0.3664, 0.3780.

# 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**

67.5188, 0.3664, 0.3780

**Protanopia**

67.5412, 0.3576, 0.3813

**Deuteranopia**

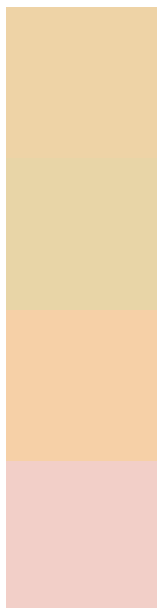
67.4419, 0.3777, 0.3701



## Tritanopia

67.5861, 0.3319, 0.3124

# Trichromacy



## Original Color

67.5188, 0.3664, 0.3780

## Protanomaly

67.5343, 0.3602, 0.3798

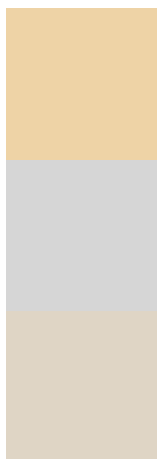
## Deuteranomaly

67.4946, 0.3730, 0.3728

## Tritanomaly

67.6730, 0.3449, 0.3365

# Monochromacy



## Original Color

67.5188, 0.3664, 0.3780

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.3077, 0.3314, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.5188, 0.3664, 0.3780 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(238, 211, 166)` looks like.

```
.text, #text, p{  
    color:rgb(238, 211, 166)  
}
```

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(238, 211, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 211, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 67.5188, 0.3664, 0.3780 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(238, 211, 166) }
```

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

```
.border{ border-color:rgb(238, 211, 166) }
```

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

Here you see how a box with a 4 pixel rgb(238, 211, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 211, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 211, 166);  
box-shadow:4px 4px 4px 4px rgb(238, 211,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.5188, 0.3664, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 211, 166) }
```

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

```
.background{ background-color: rgb(238,  
211, 166) }
```

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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