

# Converting Colors

$Y_{xy}(69.2522, 0.3720, 0.3898)$

Have a look what the booklet for  
Yxy(69.2522, 0.3720, 0.3898)  
contains.

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# **Color**

**Yxy(69.4202, 0.3717, 0.3905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFD79E
RGB	239, 215, 158
RGB Percent	94%, 84%, 62%
CMY	0.0626, 0.1569, 0.3803
CMYK	0.00, 0.10, 0.34, 0.06
HSL	42°, 72%, 78%
HSV	42°, 34%, 94%
XYZ	66.0781, 69.4202, 42.2743
YIQ	215.6780, 32.6010, -12.6390

# Conversions

## Conversions Part 2

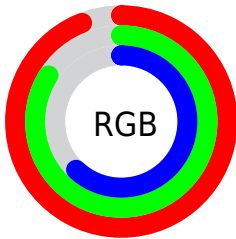
Format	Color
<a href="#">RYB</a>	<a href="#">192, 239, 158</a>
Decimal	<a href="#">15718302</a>
CIELab	<a href="#">86.71, 0.22, 31.18</a>
CIELCh	<a href="#">87, 31.185, 89.605</a>
Yxy	<a href="#">69.4202, 0.3717, 0.3905</a>
Android (android.graphics.Color)	<a href="#">4293908382 (0xFFEFD79E)</a>
YUV	<a href="#">215.6780, -28.4353, 20.4534</a>
Hunter-Lab	<a href="#">83.3188, -4.2439, 28.2406</a>

# Details

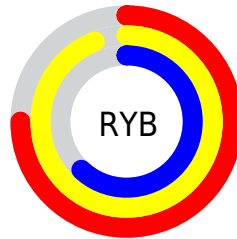
The Yxy color **69.4202, 0.3717, 0.3905** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.9867, 0.2555, 0.2586**, and the grayscale version is **68.6245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **36.1273, 0.3856, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **65.1442, 0.3916, 0.4085**, and if you desaturate by 10%, it is **74.0193, 0.3527, 0.3719**.

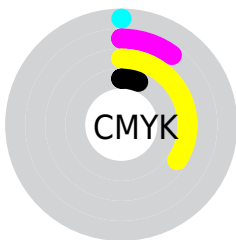
# Distribution



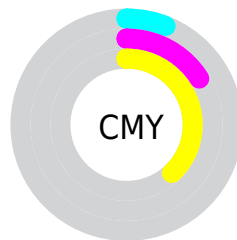
- Red (94%)
- Green (84%)
- Blue (62%)



- Red (75%)
- Yellow (94%)
- Blue (62%)



- Cyan (0%)
- Magenta (10%)
- Yellow (34%)
- Black (6%)




- Cyan (6%)
- Magenta (16%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4202, 0.3717, 0.3905 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 69.4202, 0.3717, 0.3905 by changing the saturation by 10% instead.





 69.4202, 0.3717,  
0.3905


 69.4202, 0.3717,  
0.3905


458.5116, 0.3445,  
0.3621

 51.0540, 0.3778,  
0.3969


 118.3815, 0.3623,  
0.3807

 36.2516, 0.3853,  
0.4046


 149.7455, 0.3587,  
0.3769

 24.6286, 0.3945,  
0.4142


186.2108, 0.3555,  
0.3736

 15.8005, 0.4063,  
0.4264

228.1618, 0.3527,  
0.3707

 9.3831, 0.4214,  
0.4421

275.9831, 0.3503,  
0.3682

 4.9919, 0.4411,  
0.4624

330.0588, 0.3481,

 2.2425, 0.4884,

0.3659

0.5116

390.7735, 0.3462,  
0.3639

0.7430, 0.4892,  
0.5108

0.0000, 0.0000,  
0.0000

69.4202, 0.3717,  
0.3905

69.4202, 0.3717,  
0.3905

65.1442, 0.3916,  
0.4085

74.0193, 0.3527,  
0.3719

61.1705, 0.4118,  
0.4250

78.9424, 0.3349,  
0.3535

57.4899, 0.4315,  
0.4388

84.2026, 0.3186,  
0.3357

54.0889, 0.4497,  
0.4490

89.8091, 0.3039,  
0.3188

■ 50.9520, 0.4656,  
0.4545

■ 94.2330, 0.3030,  
0.3245

■ 48.0608, 0.4783,  
0.4550

■ 97.0963, 0.3030,  
0.3290

■ 46.3992, 0.4848,  
0.4533

# Harmonies

## Analogous

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



69.4202, 0.3882, 0.3677



69.4202, 0.3717, 0.3905



69.4202, 0.3397, 0.3975

# Triad

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



69.4202, 0.3717, 0.3905



69.4202, 0.2469, 0.3140



69.4202, 0.3204, 0.2824

# Complementary

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



69.4202, 0.3717, 0.3905



46.9867, 0.2555, 0.2586

# 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.



69.4202, 0.2829, 0.2686



69.4202, 0.3717, 0.3905



69.4202, 0.2424, 0.2844

# Square

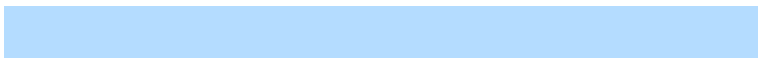
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.4202, 0.3717, 0.3905



69.4202, 0.2680, 0.3511



69.4202, 0.2551, 0.2688



69.4202, 0.3578, 0.3069



# Rectangle

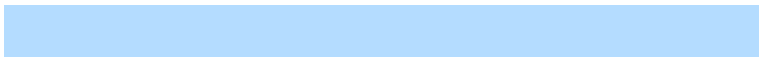
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.4202, 0.3717, 0.3905



69.4202, 0.3144, 0.3902



69.4202, 0.2551, 0.2688



69.4202, 0.3073, 0.2764

# Sweetspot

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



69.4234, 0.3717, 0.3905



93.7319, 0.3285, 0.3465



46.2090, 0.3683, 0.3022



19.8808, 0.3308, 0.3491



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.



69.4234, 0.3717, 0.3905



76.7749, 0.3861, 0.4037



79.8822, 0.3520, 0.4171



17.6208, 0.3276, 0.3455



25.8728, 0.4835, 0.4543



2.3246, 0.4730, 0.4626



# Inverse Universe

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



46.9867, 0.2555, 0.2586



46.9877, 0.2421, 0.2403



39.7203, 0.2635, 0.2309



15.9932, 0.2980, 0.3119



6.1273, 0.1609, 0.0990



0.6765, 0.1680, 0.1247



# Previews

## White Background



This preview shows how the Yxy color 69.4202, 0.3717, 0.3905 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 69.4202, 0.3717, 0.3905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

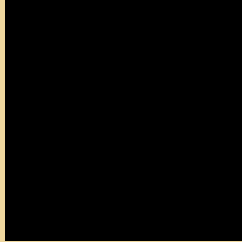
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.4202, 0.3717, 0.3905**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4202, 0.3717, 0.3905.



This preview shows how white text looks on a background with the Yxy color 69.4202, 0.3717, 0.3905.

# 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

69.4202, 0.3717, 0.3905

### Protanopia

69.4525, 0.3656, 0.3926

### Deuteranopia

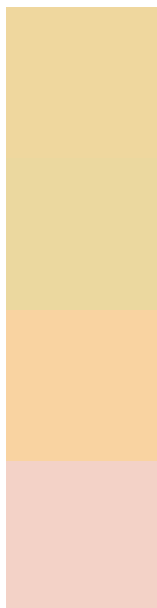
69.5053, 0.3829, 0.3767



## Tritanopia

69.5462, 0.3309, 0.3125

# Trichromacy



## Original Color

69.4202, 0.3717, 0.3905

## Protanomaly

69.2771, 0.3675, 0.3912

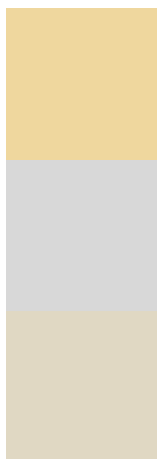
## Deuteranomaly

69.3015, 0.3789, 0.3817

## Tritanomaly

69.2714, 0.3459, 0.3408

# Monochromacy



## Original Color

69.4202, 0.3717, 0.3905

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.8992, 0.3332, 0.3524

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4202, 0.3717, 0.3905 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(239, 215, 158)` looks like.

```
.text, #text, p{  
    color:rgb(239, 215, 158)  
}
```

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(239, 215, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 215, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4202, 0.3717, 0.3905 is called "border". The border property can be set on classes, ids or directly on the HTML element.

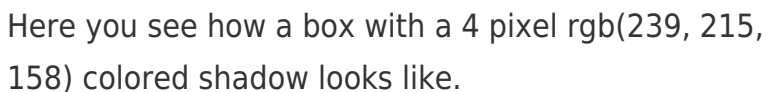
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 215, 158) }
```

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

```
.border{ border-color:rgb(239, 215, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(239, 215, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 215, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 215, 158); box-shadow:4px 4px 4px 4px rgb(239, 215, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4202, 0.3717, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 215, 158) }
```

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

```
.background{ background-color: rgb(239,  
215, 158) }
```

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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