

# Converting Colors

Yxy(68.4619, 0.4065, 0.4442)

Have a look what the booklet for  
Yxy(68.4619, 0.4065, 0.4442)  
contains.

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# Color

**Yxy(68.4619, 0.4065, 0.4442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFD868
RGB	239, 216, 104
RGB Percent	94%, 85%, 41%
CMY	0.0627, 0.1529, 0.5921
CMYK	0.00, 0.10, 0.56, 0.06
HSL	50°, 81%, 67%
HSV	50°, 56%, 94%
XYZ	62.6514, 68.4619, 23.0107
YIQ	210.1090, 49.6600, -29.9560

# Conversions

## Conversions Part 2

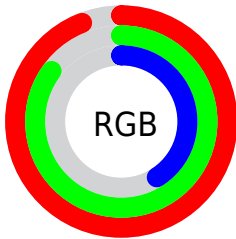
Format	Color
R <sub>Y</sub> B	132, 239, 104
Decimal	15718504
CIE Lab	86.24, -5.53, 57.14
CIE LCh	86, 57.408, 95.529
Yxy	68.4619, 0.4065, 0.4442
Android (android.graphics.Color)	4293908584 (0xFFEFD868)
YUV	210.1090, -52.3117, 25.3374
Hunter-Lab	82.7417, -9.6391, 41.4305

# Details

The Yxy color **68.4619, 0.4065, 0.4442** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.3551, 0.2092, 0.1764**, and the grayscale version is **64.8522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **35.4321, 0.4239, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **65.9859, 0.4215, 0.4591**, and if you desaturate by 10%, it is **71.1336, 0.3900, 0.4261**.

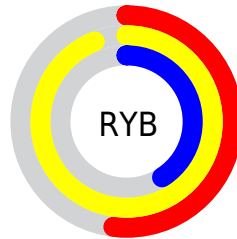
# Distribution



Red (94%)

Green (85%)

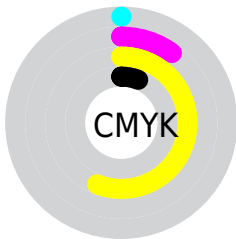
Blue (41%)



Red (52%)

Yellow (94%)

Blue (41%)

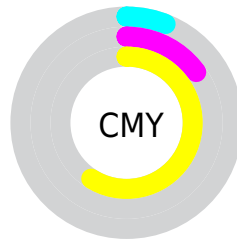


Cyan (0%)

Magenta (10%)

Yellow (56%)

Black (6%)



Cyan (6%)

Magenta (15%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4619, 0.4065, 0.4442 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 68.4619, 0.4065, 0.4442 by changing the saturation by 10% instead.





 68.4619, 0.4065,  
0.4442


 68.4619, 0.4065,  
0.4442


455.1308, 0.3655,  
0.3923


 50.2736, 0.4147,  
0.4550

 117.0127, 0.3931,  
0.4269


 35.6308, 0.4240,  
0.4677


 148.1440, 0.3876,  
0.4199

 24.1492, 0.4344,  
0.4823

 184.3583, 0.3828,  
0.4139

 15.4444, 0.4455,  
0.4990

 226.0402, 0.3785,  
0.4085

 9.1318, 0.4587,  
0.5200

273.5740, 0.3747,  
0.4038

 4.8273, 0.4642,  
0.5358

327.3441, 0.3713,

 2.1463, 0.4569,

0.3995

0.5431

387.7349, 0.3683,  
0.3958

0.6905, 0.4302,  
0.5698

0.0000, 0.0000,  
0.0000

68.4619, 0.4065,  
0.4442

68.4619, 0.4065,  
0.4442

65.9859, 0.4215,  
0.4591

71.1336, 0.3900,  
0.4261

63.6837, 0.4343,  
0.4701


74.0023, 0.3728,  
0.4060


61.5440, 0.4443,  
0.4764

77.0811, 0.3554,  
0.3848


59.5489, 0.4515,  
0.4781


80.3792, 0.3386,  
0.3633

 58.8713, 0.4536,  
0.4781

 83.9049, 0.3225,  
0.3422

 87.6662, 0.3076,  
0.3220

 90.5752, 0.3030,  
0.3186

 93.0590, 0.3030,  
0.3227

 95.5974, 0.3030,  
0.3267

# Harmonies

## Analogous

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



68.4619, 0.4465, 0.4013



68.4619, 0.4065, 0.4442



68.4619, 0.3438, 0.4581

# Triad

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



68.4619, 0.4065, 0.4442



68.4619, 0.1934, 0.2849



68.4619, 0.3392, 0.2550

# Complementary

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



68.4619, 0.4065, 0.4442



24.3551, 0.2092, 0.1764

# 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.



68.4619, 0.2697, 0.2279



68.4619, 0.4065, 0.4442



68.4619, 0.1927, 0.2394

# Square

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



68.4619, 0.4065, 0.4442



68.4619, 0.2221, 0.3545



68.4619, 0.2186, 0.2215



68.4619, 0.4078, 0.2976



# Rectangle

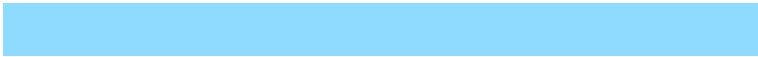
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4619, 0.4065, 0.4442



68.4619, 0.2982, 0.4411



68.4619, 0.2186, 0.2215



68.4619, 0.3149, 0.2439

# Sweetspot

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



68.4651, 0.4065, 0.4442



92.8947, 0.3395, 0.3645



29.8317, 0.4521, 0.3031



19.7146, 0.3429, 0.3688



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.



68.4651, 0.4065, 0.4442



75.9647, 0.4239, 0.4614



74.5021, 0.3621, 0.4800



17.9740, 0.3272, 0.3484



32.7036, 0.4529, 0.4786



2.8404, 0.4478, 0.4827



# Inverse Universe

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



24.3551, 0.2092, 0.1764



20.3946, 0.1879, 0.1409



22.3150, 0.2338, 0.1604



15.6638, 0.2980, 0.3088



4.4383, 0.1542, 0.0752



0.4939, 0.1601, 0.0965



# Previews

## White Background



This preview shows how the Yxy color 68.4619, 0.4065, 0.4442 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 68.4619, 0.4065, 0.4442 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 68.4619, 0.4065, 0.4442**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4619, 0.4065, 0.4442.



This preview shows how white text looks on a background with the Yxy color 68.4619, 0.4065, 0.4442.

# 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

68.4619, 0.4065, 0.4442

### Protanopia

68.4619, 0.4065, 0.4442

### Deuteranopia

68.3247, 0.3989, 0.3969



## Tritanopia

68.1503, 0.3374, 0.3126

# Trichromacy



## Original Color

68.4619, 0.4065, 0.4442

## Protanomaly

68.4619, 0.4065, 0.4442

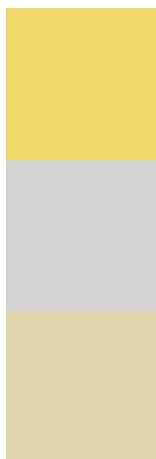
## Deuteranomaly

68.2868, 0.4024, 0.4147

## Tritanomaly

67.8789, 0.3654, 0.3621

# Monochromacy



## Original Color

68.4619, 0.4065, 0.4442

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.3994, 0.3488, 0.3757

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4619, 0.4065, 0.4442 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, 216, 104)` looks like.

```
.text, #text, p{  
    color:rgb(239, 216, 104)  
}
```

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, 216, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 216, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4619, 0.4065, 0.4442 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, 216, 104) }
```

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

```
.border{ border-color:rgb(239, 216, 104) }
```

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

Here you see how a box with a 4 pixel rgb(239, 216, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 216, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 216, 104);  
box-shadow:4px 4px 4px 4px rgb(239, 216,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4619, 0.4065, 0.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 216, 104) }
```

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

```
.background{ background-color: rgb(239,  
216, 104) }
```

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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