

# Converting Colors

Yxy(68.4410, 0.4056, 0.4615)

Have a look what the booklet for  
Yxy(68.4410, 0.4056, 0.4615)  
contains.

|   |    |
|---|----|
| <b>Yxy(68.3901, 0.4057, 0.4614)</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(68.3901, 0.4057, 0.4614)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E7DB5A                      |
| RGB         | 231, 219, 90                |
| RGB Percent | 91%, 86%, 35%               |
| CMY         | 0.0941, 0.1412, 0.6471      |
| CMYK        | 0.00, 0.05, 0.61, 0.09      |
| HSL         | 55°, 75%, 63%               |
| HSV         | 55°, 61%, 91%               |
| XYZ         | 60.1341, 68.3901, 19.6988   |
| YIQ         | 207.8820, 48.5610, -37.5750 |

# Conversions

## Conversions Part 2

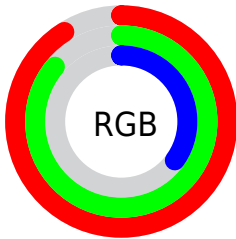
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 103, 231, 90                   |
| Decimal                             | 15194970                       |
| CIELab                              | 86.20, -11.28, 63.09           |
| CIELCh                              | 86, 64.094, 100.141            |
| Yxy                                 | 68.3901, 0.4057,<br>0.4614     |
| Android<br>(android.graphics.Color) | 4293385050<br>(0xFFE7DB5A)     |
| YUV                                 | 207.8820, -58.1158,<br>20.2745 |
| Hunter-Lab                          | 82.6983, -14.9258,<br>43.7659  |

# Details

The Yxy color **68.3901, 0.4057, 0.4614** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.4435, 0.1973, 0.1471**, and the grayscale version is **63.3577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **35.4259, 0.4210, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **67.0389, 0.4171, 0.4756**, and if you desaturate by 10%, it is **69.8820, 0.3922, 0.4435**.

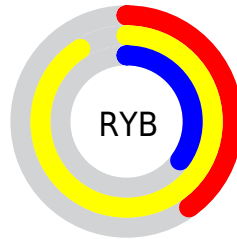
# Distribution



Red (91%)

Green (86%)

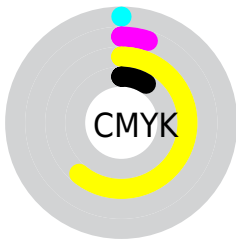
Blue (35%)



Red (40%)

Yellow (91%)

Blue (35%)

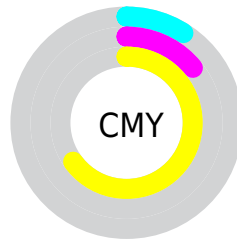


Cyan (0%)

Magenta (5%)

Yellow (61%)

Black (9%)



Cyan (9%)

Magenta (14%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3901, 0.4057, 0.4614 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 68.3901, 0.4057, 0.4614 by changing the saturation by 10% instead.




 68.3901, 0.4057,  
0.4614

 68.3901, 0.4057,  
0.4614


454.8769, 0.3663,  
0.4016


 50.2152, 0.4130,  
0.4738

 116.9100, 0.3932,  
0.4415


 35.5844, 0.4211,  
0.4882


 148.0238, 0.3880,  
0.4335

 24.1134, 0.4294,  
0.5047


 184.2194, 0.3834,  
0.4265

 15.4178, 0.4371,  
0.5232

 225.8810, 0.3792,  
0.4203

 9.1131, 0.4489,  
0.5511

273.3932, 0.3755,  
0.4148

 4.8150, 0.4396,  
0.5604

327.1403, 0.3721,

 2.1391, 0.4243,

0.4099

0.5757

387.5068, 0.3691,  
0.4055

0.6865, 0.3545,  
0.6455

0.0000, 0.0000,  
0.0000

68.3901, 0.4057,  
0.4614

68.3901, 0.4057,  
0.4614

67.0389, 0.4171,  
0.4756

69.8820, 0.3922,  
0.4435

65.8070, 0.4259,  
0.4855

71.5154, 0.3772,  
0.4229

64.6836, 0.4319,  
0.4909

73.3025, 0.3614,  
0.4005

63.7491, 0.4353,  
0.4926

75.2519, 0.3453,  
0.3772

■ 77.3713, 0.3294,  
0.3540

■ 79.6678, 0.3143,  
0.3313

■ 82.1484, 0.3000,  
0.3098

■ 83.4784, 0.2980,  
0.3085

■ 84.6093, 0.2980,  
0.3105

# Harmonies

## Analogous

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



68.3901, 0.4561, 0.4152



68.3901, 0.4057, 0.4614



68.3901, 0.3341, 0.4724

# Triad

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



68.3901, 0.4057, 0.4614



68.3901, 0.1796, 0.2691



68.3901, 0.3544, 0.2538

# Complementary

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



68.3901, 0.4057, 0.4614



17.4435, 0.1973, 0.1471

# 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.



68.3901, 0.2754, 0.2214



68.3901, 0.4057, 0.4614



68.3901, 0.1835, 0.2248

# Square

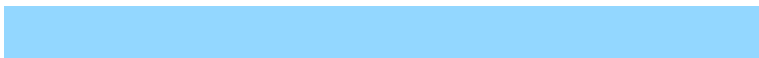
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3901, 0.4057, 0.4614



68.3901, 0.2055, 0.3437



68.3901, 0.2158, 0.2104



68.3901, 0.4287, 0.3019



# Rectangle

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



68.3901, 0.4057, 0.4614



68.3901, 0.2841, 0.4480



68.3901, 0.2158, 0.2104



68.3901, 0.3270, 0.2409

# Sweetspot

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



68.3933, 0.4057, 0.4614



94.9200, 0.3405, 0.3703



25.3011, 0.4868, 0.3149



20.1555, 0.3452, 0.3772



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.



68.3933, 0.4057, 0.4614



83.5084, 0.4194, 0.4783



66.9638, 0.3555, 0.4959



16.5962, 0.3270, 0.3503



35.8256, 0.4350, 0.4928



2.7096, 0.4325, 0.4948



# Inverse Universe

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



17.4435, 0.1973, 0.1471



14.9297, 0.1758, 0.1107



19.2263, 0.2363, 0.1514



14.0834, 0.2980, 0.3068



3.5818, 0.1516, 0.0657



0.3333, 0.1557, 0.0805



# Previews

## White Background



This preview shows how the Yxy color 68.3901, 0.4057, 0.4614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

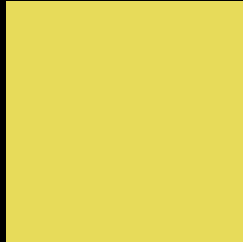
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.3901, 0.4057, 0.4614 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 68.3901, 0.4057, 0.4614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3901, 0.4057, 0.4614.



This preview shows how white text looks on a background with the Yxy color 68.3901, 0.4057, 0.4614.

# 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

68.3901, 0.4057, 0.4614

### Protanopia

68.3583, 0.4153, 0.4557

### Deuteranopia

68.2358, 0.4011, 0.3998



## Tritanopia

67.9378, 0.3303, 0.3123

# Trichromacy



## Original Color

68.3901, 0.4057, 0.4614

## Protanomaly

68.3515, 0.4122, 0.4578

## Deuteranomaly

68.0603, 0.4041, 0.4231

## Tritanomaly

67.4610, 0.3622, 0.3692

# Monochromacy



## Original Color

68.3901, 0.4057, 0.4614

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

64.4025, 0.3491, 0.3834

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3901, 0.4057, 0.4614 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(231, 219, 90)` looks like.

```
.text, #text, p{  
    color:rgb(231, 219, 90)  
}
```

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(231, 219, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 219, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3901, 0.4057, 0.4614 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(231, 219, 90) }
```

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

```
.border{ border-color:rgb(231, 219, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 219, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 219, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 219, 90);  
box-shadow:4px 4px 4px 4px rgb(231, 219,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3901, 0.4057, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 219, 90) }
```

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

```
.background{ background-color: rgb(231,  
219, 90) }
```

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