

# Converting Colors

$Yxy(60.8714, 0.4096, 0.4539)$

Have a look what the booklet for  
Yxy(60.8714, 0.4096, 0.4539)  
contains.

<b>Yxy(60.8714, 0.4096, 0.4539)</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(60.8714, 0.4096, 0.4539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1CE59
RGB	225, 206, 89
RGB Percent	88%, 81%, 35%
CMY	0.1176, 0.1922, 0.6510
CMYK	0.00, 0.08, 0.60, 0.12
HSL	52°, 69%, 62%
HSV	52°, 60%, 88%
XYZ	54.9304, 60.8714, 18.3057
YIQ	198.3430, 48.8810, -32.3590

# Conversions

## Conversions Part 2

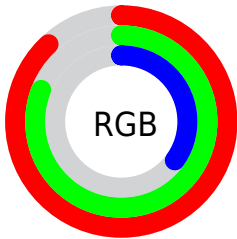
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 225, 89
Decimal	14798425
CIELab	82.31, -7.27, 59.12
CIELCh	82, 59.561, 97.009
Yxy	60.8714, 0.4096, 0.4539
Android (android.graphics.Color)	4292988505 (0xFFE1CE59)
YUV	198.3430, -53.9061, 23.3782
Hunter-Lab	78.0201, -10.8615, 40.7030

# Details

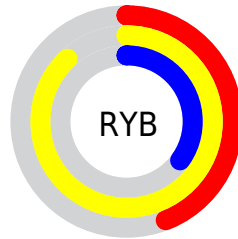
The Yxy color **60.8714, 0.4096, 0.4539** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **18.2917, 0.2008, 0.1592**, and the grayscale version is **57.0069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **30.7818, 0.4277, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **59.0523, 0.4228, 0.4678**, and if you desaturate by 10%, it is **62.8421, 0.3945, 0.4365**.

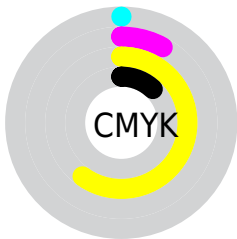
# Distribution



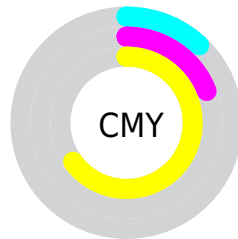
- Red (88%)
- Green (81%)
- Blue (35%)



- Red (44%)
- Yellow (88%)
- Blue (35%)



- Cyan (0%)
- Magenta (8%)
- Yellow (60%)
- Black (12%)




- Cyan (12%)
- Magenta (19%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8714, 0.4096, 0.4539 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 60.8714, 0.4096, 0.4539 by changing the saturation by 10% instead.




 60.8714, 0.4096,  
0.4539


 60.8714, 0.4096,  
0.4539


427.8023, 0.3670,  
0.3967

 44.1214, 0.4180,  
0.4659


 106.0927, 0.3958,  
0.4347


 30.7660, 0.4273,  
0.4799


 135.3328, 0.3901,  
0.4270

 20.4207, 0.4373,  
0.4959


 169.5050, 0.3850,  
0.4203

 12.7012, 0.4471,  
0.5137

 208.9938, 0.3806,  
0.4144

 7.2231, 0.4607,  
0.5393

254.1836, 0.3766,  
0.4092

 3.6020, 0.4537,  
0.5463

305.4586, 0.3731,

 1.4535, 0.4415,

0.4045

0.5585

363.2034, 0.3699,  
0.4004

0.2557, 0.2042,  
0.7958

0.0000, 0.0000,  
0.0000

60.8714, 0.4096,  
0.4539

60.8714, 0.4096,  
0.4539

59.0523, 0.4228,  
0.4678

62.8421, 0.3945,  
0.4365

57.3650, 0.4335,  
0.4774

64.9655, 0.3782,  
0.4166

55.7993, 0.4414,  
0.4824

67.2531, 0.3615,  
0.3952

54.3955, 0.4467,  
0.4835

69.7130, 0.3448,  
0.3731

■ 72.3525, 0.3286,  
0.3512

■ 75.1784, 0.3134,  
0.3299

■ 78.1973, 0.2992,  
0.3098

■ 80.4790, 0.2942,  
0.3046

■ 82.2581, 0.2942,  
0.3078

# Harmonies

## Analogous

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



60.8714, 0.4549, 0.4077



60.8714, 0.4096, 0.4539



60.8714, 0.3416, 0.4685

# Triad

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



60.8714, 0.4096, 0.4539



60.8714, 0.1847, 0.2777



60.8714, 0.3448, 0.2518

# Complementary

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



60.8714, 0.4096, 0.4539



18.2917, 0.2008, 0.1592

# 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.



60.8714, 0.2695, 0.2223



60.8714, 0.4096, 0.4539



60.8714, 0.1855, 0.2311

# Square

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



60.8714, 0.4096, 0.4539



60.8714, 0.2132, 0.3520



60.8714, 0.2141, 0.2141



60.8714, 0.4184, 0.2975



# Rectangle

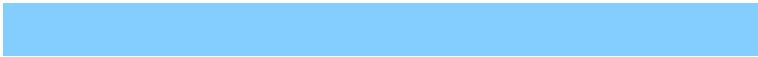
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.8714, 0.4096, 0.4539



60.8714, 0.2928, 0.4488



60.8714, 0.2141, 0.2141



60.8714, 0.3185, 0.2399

# Sweetspot

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



60.8743, 0.4096, 0.4539



93.3613, 0.3410, 0.3680



24.2691, 0.4737, 0.3073



19.7696, 0.3458, 0.3745



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.



60.8743, 0.4096, 0.4539



77.7093, 0.4264, 0.4712



63.9781, 0.3605, 0.4911



15.6856, 0.3271, 0.3490



31.4688, 0.4462, 0.4839



2.2723, 0.4414, 0.4877



# Inverse Universe

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



18.2917, 0.2008, 0.1592



16.6427, 0.1784, 0.1208



17.8683, 0.2313, 0.1507



13.5509, 0.2981, 0.3082



3.8111, 0.1532, 0.0715



0.3642, 0.1595, 0.0943



# Previews

## White Background



This preview shows how the Yxy color 60.8714, 0.4096, 0.4539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

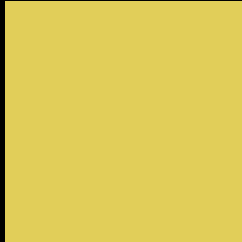
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8714, 0.4096, 0.4539 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 60.8714, 0.4096, 0.4539**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8714, 0.4096, 0.4539.



This preview shows how white text looks on a background with the Yxy color 60.8714, 0.4096, 0.4539.

# 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

60.8714, 0.4096, 0.4539

### Protanopia

60.8779, 0.4128, 0.4517

### Deuteranopia

60.6856, 0.4387, 0.4297



## Tritanopia

60.5762, 0.3354, 0.3117

# Trichromacy



## Original Color

60.8714, 0.4096, 0.4539

## Protanomaly

60.7148, 0.4119, 0.4521

## Deuteranomaly

60.6569, 0.4282, 0.4382

## Tritanomaly

60.2606, 0.3662, 0.3662

# Monochromacy



## Original Color

60.8714, 0.4096, 0.4539

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.6518, 0.3505, 0.3808

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8714, 0.4096, 0.4539 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(225, 206, 89)` looks like.

```
.text, #text, p{  
    color:rgb(225, 206, 89)  
}
```

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(225, 206, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 206, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8714, 0.4096, 0.4539 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(225, 206, 89) }
```

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

```
.border{ border-color:rgb(225, 206, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 206, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 206, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 206, 89);  
box-shadow:4px 4px 4px 4px rgb(225, 206,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8714, 0.4096, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 206, 89) }
```

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

```
.background{ background-color: rgb(225,  
206, 89) }
```

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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