

# Converting Colors

$Yxy(58.1968, 0.4128, 0.4261)$

Have a look what the booklet for  
Yxy(58.1968, 0.4128, 0.4261)  
contains.

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# Color

**Yxy(58.0129, 0.4133, 0.4261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAC46A
RGB	234, 196, 106
RGB Percent	92%, 77%, 42%
CMY	0.0824, 0.2313, 0.5843
CMYK	0.00, 0.16, 0.55, 0.08
HSL	42°, 75%, 67%
HSV	42°, 55%, 92%
XYZ	56.2702, 58.0129, 21.8655
YIQ	197.1020, 51.5380, -19.9340

# Conversions

## Conversions Part 2

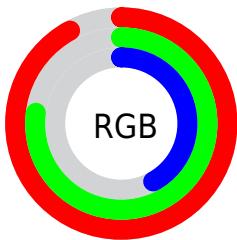
Format	Color
R <sub>Y</sub> B	160, 234, 106
Decimal	15385706
CIE Lab	80.75, 2.83, 49.68
CIE LCh	81, 49.764, 86.739
Yxy	58.0129, 0.4133, 0.4261
Android (android.graphics.Color)	4293575786 (0xFFEAC46A)
YUV	197.1020, -44.9133, 32.3595
Hunter-Lab	76.1662, -1.4183, 36.2956

# Details

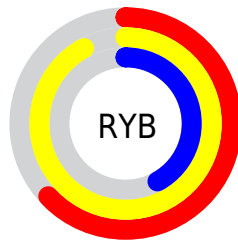
The Yxy color **58.0129, 0.4133, 0.4261** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.9421, 0.2174, 0.2045**, and the grayscale version is **56.1536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3840, 0.3705, 0.4203**, and **29.1509, 0.4351, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **54.5332, 0.4329, 0.4397**, and if you desaturate by 10%, it is **61.7759, 0.3931, 0.4098**.

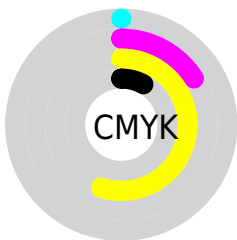
# Distribution



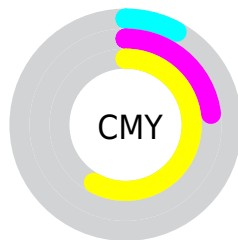
- Red (92%)
- Green (77%)
- Blue (42%)



- Red (63%)
- Yellow (92%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (55%)
- Black (8%)




- Cyan (8%)
- Magenta (23%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0129, 0.4133, 0.4261 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 58.0129, 0.4133, 0.4261 by changing the saturation by 10% instead.





 58.0129, 0.4133,  
0.4261

 58.0129, 0.4133,  
0.4261


417.2340, 0.3667,  
0.3818


 41.8190, 0.4234,  
0.4354


 101.9416, 0.3975,  
0.4112


 28.9596, 0.4352,  
0.4464


 130.4453, 0.3912,  
0.4053

 19.0503, 0.4493,  
0.4590


 163.8210, 0.3858,  
0.4001

 11.7066, 0.4655,  
0.4731

 202.4531, 0.3810,  
0.3955

 6.5442, 0.4890,  
0.4934

246.7261, 0.3768,  
0.3915

 3.1787, 0.5006,  
0.4994

297.0243, 0.3731,

 1.2257, 0.5055,

0.3879

0.4945

353.7322, 0.3697,  
0.3847

0.0826, 0.6412,  
0.3588

0.0000, 0.0000,  
0.0000

58.0129, 0.4133,  
0.4261

58.0129, 0.4133,  
0.4261

54.5332, 0.4329,  
0.4397

61.7759, 0.3931,  
0.4098

51.3154, 0.4510,  
0.4496


65.8256, 0.3732,  
0.3919


48.3475, 0.4666,  
0.4547

70.1756, 0.3541,  
0.3734


45.6117, 0.4791,  
0.4548


74.8358, 0.3363,  
0.3549


 44.2423, 0.4847,  
0.4533

 79.8157, 0.3199,  
0.3371

 85.1241, 0.3050,  
0.3202

 89.7801, 0.2999,  
0.3186

 94.0514, 0.2999,  
0.3256

 96.2305, 0.2999,  
0.3290

# Harmonies

## Analogous

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



58.0129, 0.4405, 0.3832



58.0129, 0.4133, 0.4261



58.0129, 0.3603, 0.4474

# Triad

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



58.0129, 0.4133, 0.4261



58.0129, 0.2075, 0.3061



58.0129, 0.3177, 0.2513

# Complementary

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



58.0129, 0.4133, 0.4261



28.9421, 0.2174, 0.2045

# 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.



58.0129, 0.2572, 0.2313



58.0129, 0.4133, 0.4261



58.0129, 0.1989, 0.2564

# Square

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



58.0129, 0.4133, 0.4261



58.0129, 0.2420, 0.3726



58.0129, 0.2160, 0.2319



58.0129, 0.3831, 0.2876



# Rectangle

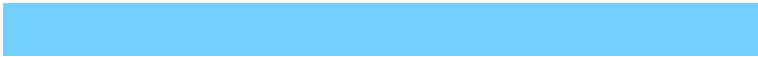
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.0129, 0.4133, 0.4261



58.0129, 0.3185, 0.4402



58.0129, 0.2160, 0.2319



58.0129, 0.2960, 0.2425

# Sweetspot

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



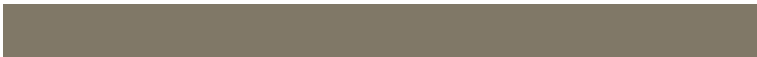
58.0157, 0.4133, 0.4261



90.1629, 0.3387, 0.3575



29.8232, 0.4247, 0.2869



19.0434, 0.3423, 0.3612



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.



58.0157, 0.4133, 0.4261



65.6356, 0.4359, 0.4416



73.3463, 0.3722, 0.4695



16.8283, 0.3275, 0.3455



25.0937, 0.4834, 0.4544



2.1365, 0.4724, 0.4631



# Inverse Universe

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



28.9421, 0.2174, 0.2045



27.0203, 0.1977, 0.1731



21.1198, 0.2250, 0.1613



15.2774, 0.2980, 0.3119



5.9507, 0.1609, 0.0992



0.6294, 0.1685, 0.1264



# Previews

## White Background



This preview shows how the Yxy color 58.0129, 0.4133, 0.4261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

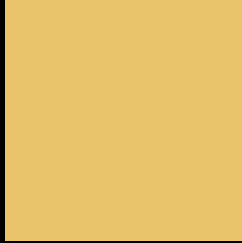
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0129, 0.4133, 0.4261 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 58.0129, 0.4133, 0.4261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0129, 0.4133, 0.4261.



This preview shows how white text looks on a background with the Yxy color 58.0129, 0.4133, 0.4261.

# 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

58.0129, 0.4133, 0.4261

### Protanopia

58.2282, 0.3979, 0.4337

### Deuteranopia

57.9160, 0.4260, 0.4162



## Tritanopia

57.7453, 0.3489, 0.3129

# Trichromacy



**Original Color**

58.0129, 0.4133, 0.4261

**Protanomaly**

58.0771, 0.4040, 0.4309

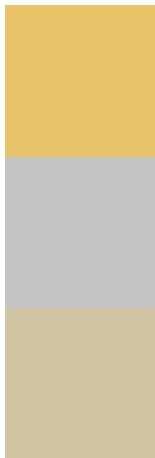
**Deuteranomaly**

58.0787, 0.4213, 0.4194

**Tritanomaly**

57.4991, 0.3742, 0.3546

# Monochromacy



**Original Color**

58.0129, 0.4133, 0.4261

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.3145, 0.3486, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0129, 0.4133, 0.4261 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(234, 196, 106)` looks like.

```
.text, #text, p{  
    color:rgb(234, 196, 106)  
}
```

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(234, 196, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 196, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0129, 0.4133, 0.4261 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(234, 196, 106) }
```

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

```
.border{ border-color:rgb(234, 196, 106) }
```

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

Here you see how a box with a 4 pixel rgb(234, 196, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 196, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 196, 106);  
box-shadow:4px 4px 4px 4px rgb(234, 196,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0129, 0.4133, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 196, 106) }
```

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

```
.background{ background-color: rgb(234,  
196, 106) }
```

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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