

# Converting Colors

Yxy(56.9784, 0.4140, 0.4300)

Have a look what the booklet for  
Yxy(56.9784, 0.4140, 0.4300)  
contains.

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# **Color**

**Yxy(56.9784, 0.4140, 0.4300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7C366
RGB	231, 195, 102
RGB Percent	91%, 76%, 40%
CMY	0.0943, 0.2352, 0.6001
CMYK	0.00, 0.16, 0.56, 0.09
HSL	43°, 73%, 65%
HSV	43°, 56%, 91%
XYZ	54.8583, 56.9784, 20.6712
YIQ	195.1620, 51.3090, -21.2910

# Conversions

## Conversions Part 2

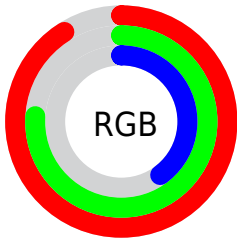
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 231, 102
Decimal	15188838
CIE <sub>Lab</sub>	80.17, 1.78, 50.86
CIE <sub>LCh</sub>	80, 50.890, 87.992
Yxy	56.9784, 0.4140, 0.4300
Android (android.graphics.Color)	4293378918 (0xFFE7C366)
YUV	195.1620, -45.9289, 31.4299
Hunter-Lab	75.4840, -2.3716, 36.6023

# Details

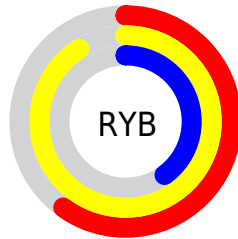
The Yxy color **56.9784, 0.4140, 0.4300** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **26.7451, 0.2147, 0.1982**, and the grayscale version is **54.9295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6209, 0.3731, 0.4232**, and **28.4605, 0.4362, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **53.7624, 0.4328, 0.4436**, and if you desaturate by 10%, it is **60.4517, 0.3944, 0.4136**.

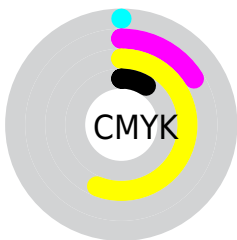
# Distribution



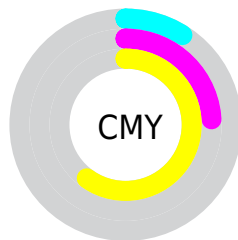
- Red (91%)
- Green (76%)
- Blue (40%)



- Red (60%)
- Yellow (91%)
- Blue (40%)



- Cyan (0%)
- Magenta (16%)
- Yellow (56%)
- Black (9%)



- Cyan (9%)
- Magenta (24%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9784, 0.4140, 0.4300 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 56.9784, 0.4140, 0.4300 by changing the saturation by 10% instead.




 56.9784, 0.4140,  
0.4300

 56.9784, 0.4140,  
0.4300


413.3684, 0.3672,  
0.3838


 40.9879, 0.4240,  
0.4398


 100.4337, 0.3981,  
0.4145

 28.3096, 0.4358,  
0.4512


 128.6672, 0.3918,  
0.4082

 18.5592, 0.4496,  
0.4643


 161.7506, 0.3864,  
0.4028

 11.3522, 0.4653,  
0.4789

 200.0682, 0.3816,  
0.3980

 6.3043, 0.4908,  
0.5028

244.0043, 0.3773,  
0.3938

 3.0310, 0.4958,  
0.5042

293.9435, 0.3736,

 1.1479, 0.4991,

0.3901

0.5009

350.2700, 0.3702,  
0.3868

0.0185, 0.7674,  
0.2326

0.0000, 0.0000,  
0.0000

56.9784, 0.4140,  
0.4300

56.9784, 0.4140,  
0.4300

53.7624, 0.4328,  
0.4436

60.4517, 0.3944,  
0.4136

50.7833, 0.4499,  
0.4532

64.1854, 0.3748,  
0.3955

48.0293, 0.4644,  
0.4582

68.1924, 0.3559,  
0.3766

45.4832, 0.4758,  
0.4581

72.4822, 0.3381,  
0.3577

 44.4753, 0.4799,  
0.4572

 77.0636, 0.3217,  
0.3393

 81.9449, 0.3067,  
0.3219

 86.5643, 0.2980,  
0.3140

 90.4224, 0.2981,  
0.3205

 94.4164, 0.2981,  
0.3269

# Harmonies

## Analogous

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



56.9784, 0.4435, 0.3862



56.9784, 0.4140, 0.4300



56.9784, 0.3588, 0.4510

# Triad

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



56.9784, 0.4140, 0.4300



56.9784, 0.2039, 0.3027



56.9784, 0.3206, 0.2506

# Complementary

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



56.9784, 0.4140, 0.4300



26.7451, 0.2147, 0.1982

# 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.



56.9784, 0.2579, 0.2294



56.9784, 0.4140, 0.4300



56.9784, 0.1963, 0.2528

# Square

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



56.9784, 0.4140, 0.4300



56.9784, 0.2381, 0.3709



56.9784, 0.2148, 0.2289



56.9784, 0.3877, 0.2882



# Rectangle

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



56.9784, 0.4140, 0.4300



56.9784, 0.3157, 0.4426



56.9784, 0.2148, 0.2289



56.9784, 0.2982, 0.2414

# Sweetspot

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



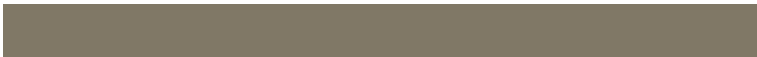
56.9811, 0.4140, 0.4300



90.0496, 0.3403, 0.3600



28.3316, 0.4312, 0.2887



19.0379, 0.3438, 0.3638



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.



56.9811, 0.4140, 0.4300



66.7189, 0.4355, 0.4453



70.7877, 0.3714, 0.4729



16.1026, 0.3274, 0.3459



25.1620, 0.4787, 0.4581



2.0139, 0.4680, 0.4666



# Inverse Universe

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



26.7451, 0.2147, 0.1982



25.5483, 0.1951, 0.1665



20.0063, 0.2245, 0.1584



14.5376, 0.2981, 0.3115



5.4934, 0.1598, 0.0953



0.5588, 0.1677, 0.1237



# Previews

## White Background



This preview shows how the Yxy color 56.9784, 0.4140, 0.4300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

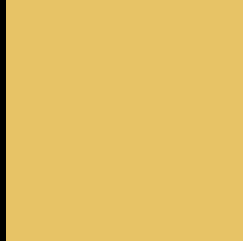
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.9784, 0.4140, 0.4300 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 56.9784, 0.4140, 0.4300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9784, 0.4140, 0.4300.



This preview shows how white text looks on a background with the Yxy color 56.9784, 0.4140, 0.4300.

# 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

56.9784, 0.4140, 0.4300

### Protanopia

57.0418, 0.4014, 0.4371

### Deuteranopia

57.0393, 0.4278, 0.4195



## Tritanopia

56.7089, 0.3483, 0.3138

# Trichromacy



## Original Color

56.9784, 0.4140, 0.4300

## Protanomaly

57.2147, 0.4055, 0.4346

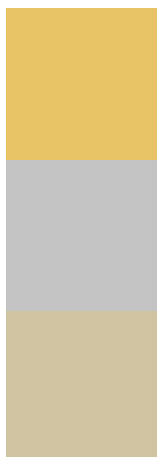
## Deuteranomaly

57.0293, 0.4222, 0.4232

## Tritanomaly

56.4437, 0.3745, 0.3571

# Monochromacy



## Original Color

56.9784, 0.4140, 0.4300

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

55.0133, 0.3497, 0.3703

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9784, 0.4140, 0.4300 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, 195, 102)` looks like.

```
.text, #text, p{  
    color:rgb(231, 195, 102)  
}
```

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, 195, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 195, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9784, 0.4140, 0.4300 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, 195, 102) }
```

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

```
.border{ border-color:rgb(231, 195, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 195, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 195, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 195, 102);  
box-shadow:4px 4px 4px 4px rgb(231, 195,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9784, 0.4140, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 195, 102) }
```

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

```
.background{ background-color: rgb(231,  
195, 102) }
```

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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