

# Converting Colors

$Y_{xy}(56.7800, 0.4128, 0.4249)$

Have a look what the booklet for  
Yxy(56.7800, 0.4128, 0.4249)  
contains.

|   |    |
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# Color

**Yxy(56.7800, 0.4128, 0.4249)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E8C26A                      |
| RGB         | 232, 194, 106               |
| RGB Percent | 91%, 76%, 42%               |
| CMY         | 0.0903, 0.2391, 0.5843      |
| CMYK        | 0.00, 0.16, 0.54, 0.09      |
| HSL         | 42°, 73%, 66%               |
| HSV         | 42°, 54%, 91%               |
| XYZ         | 55.1631, 56.7800, 21.6884   |
| YIQ         | 195.3300, 50.8960, -19.3120 |

# Conversions

## Conversions Part 2

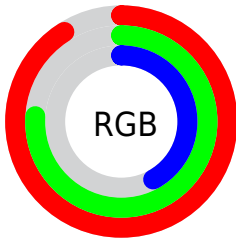
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 160, 232, 106                  |
| Decimal                             | 15254122                       |
| CIE Lab                             | 80.06, 3.03, 48.81             |
| CIE LCh                             | 80, 48.905, 86.442             |
| Yxy                                 | 56.7800, 0.4128,<br>0.4249     |
| Android<br>(android.graphics.Color) | 4293444202<br>(0xFFE8C26A)     |
| YUV                                 | 195.3300, -44.0397,<br>32.1596 |
| Hunter-Lab                          | 75.3525, -1.1930,<br>35.6816   |

# Details

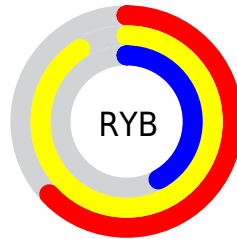
The Yxy color **56.7800, 0.4128, 0.4249** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.8187, 0.2183, 0.2065**, and the grayscale version is **55.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1344, 0.3711, 0.4186**, and **28.3243, 0.4349, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **53.3256, 0.4326, 0.4386**, and if you desaturate by 10%, it is **60.5166, 0.3925, 0.4086**.

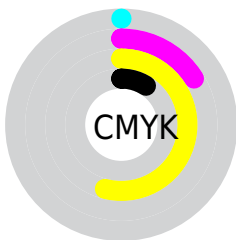
# Distribution



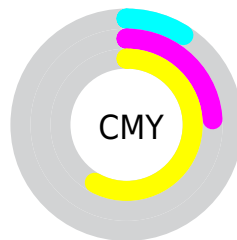
- Red (91%)
- Green (76%)
- Blue (42%)



- Red (63%)
- Yellow (91%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (54%)
- Black (9%)




- Cyan (9%)
- Magenta (24%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7800, 0.4128, 0.4249 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 56.7800, 0.4128, 0.4249 by changing the saturation by 10% instead.





 56.7800, 0.4128,  
0.4249


 56.7800, 0.4128,  
0.4249


412.6244, 0.3662,  
0.3810

 40.8286, 0.4229,  
0.4342


 100.1441, 0.3969,  
0.4101


 28.1852, 0.4350,  
0.4451


 128.3256, 0.3906,  
0.4042

 18.4653, 0.4492,  
0.4578


 161.3527, 0.3852,  
0.3990

 11.2846, 0.4657,  
0.4720

 199.6096, 0.3804,  
0.3945

 6.2586, 0.4904,  
0.4930

243.4809, 0.3762,  
0.3905

 3.0029, 0.5018,  
0.4982

293.3509, 0.3725,

 1.1333, 0.5073,

0.3870

0.4927

349.6039, 0.3692,  
0.3838

■ 0.0062, 0.9284,  
0.0716

■ 0.0000, 0.0000,  
0.0000

■ 56.7800, 0.4128,  
0.4249

■ 56.7800, 0.4128,  
0.4249

■ 53.3256, 0.4326,  
0.4386

■ 60.5166, 0.3925,  
0.4086

■ 50.1325, 0.4509,  
0.4485


■ 64.5387, 0.3725,  
0.3908

■ 47.1889, 0.4668,  
0.4538


■ 68.8597, 0.3534,  
0.3724


■ 44.4773, 0.4797,  
0.4540


■ 73.4895, 0.3356,  
0.3540


 43.0214, 0.4859,  
0.4524

 78.4373, 0.3193,  
0.3363

 83.7119, 0.3045,  
0.3196

 88.4296, 0.2987,  
0.3169

 92.6902, 0.2987,  
0.3239

 95.8895, 0.2987,  
0.3290

# Harmonies

## Analogous

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



56.7800, 0.4393, 0.3823



56.7800, 0.4128, 0.4249



56.7800, 0.3606, 0.4461

# Triad

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



56.7800, 0.4128, 0.4249



56.7800, 0.2087, 0.3070



56.7800, 0.3170, 0.2517

# Complementary

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



56.7800, 0.4128, 0.4249



28.8187, 0.2183, 0.2065

# 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.



56.7800, 0.2572, 0.2320



56.7800, 0.4128, 0.4249



56.7800, 0.1999, 0.2575

# Square

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



56.7800, 0.4128, 0.4249



56.7800, 0.2432, 0.3728



56.7800, 0.2166, 0.2329



56.7800, 0.3818, 0.2876



# Rectangle

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



56.7800, 0.4128, 0.4249



56.7800, 0.3192, 0.4392



56.7800, 0.2166, 0.2329



56.7800, 0.2956, 0.2431

# Sweetspot

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



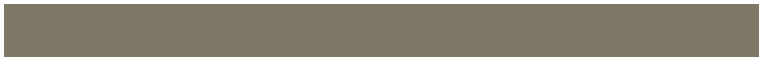
56.7827, 0.4128, 0.4249



90.0530, 0.3387, 0.3573



29.5303, 0.4205, 0.2848



19.0171, 0.3423, 0.3610



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.



56.7827, 0.4128, 0.4249



65.6824, 0.4346, 0.4398



72.2689, 0.3735, 0.4677



16.0457, 0.3275, 0.3454



24.1234, 0.4845, 0.4535



1.9437, 0.4727, 0.4628



# Inverse Universe

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



28.8187, 0.2183, 0.2065



27.8732, 0.1995, 0.1768



20.8077, 0.2242, 0.1620



14.5914, 0.2981, 0.3121



5.8514, 0.1612, 0.1004



0.5910, 0.1693, 0.1293



# Previews

## White Background



This preview shows how the Yxy color 56.7800, 0.4128, 0.4249 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 Xy color 56.7800, 0.4128, 0.4249 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 56.7800, 0.4128, 0.4249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7800, 0.4128, 0.4249.



This preview shows how white text looks on a background with the Yxy color 56.7800, 0.4128, 0.4249.

# 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

56.7800, 0.4128, 0.4249

### Protanopia

56.9896, 0.3973, 0.4325

### Deuteranopia

56.5114, 0.4248, 0.4152



## Tritanopia

56.8835, 0.3491, 0.3139

# Trichromacy



**Original Color**

56.7800, 0.4128, 0.4249

**Protanomaly**

56.8413, 0.4034, 0.4297

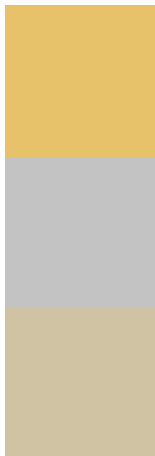
**Deuteranomaly**

56.6739, 0.4201, 0.4185

**Tritanomaly**

56.6876, 0.3736, 0.3548

# Monochromacy



**Original Color**

56.7800, 0.4128, 0.4249

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

55.0845, 0.3482, 0.3678

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7800, 0.4128, 0.4249 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(232, 194, 106)` looks like.

```
.text, #text, p{  
    color:rgb(232, 194, 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(232, 194, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 194, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7800, 0.4128, 0.4249 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(232, 194, 106) }
```

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

```
.border{ border-color:rgb(232, 194, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 194, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 194, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 194, 106); box-shadow:4px 4px 4px 4px rgb(232, 194, 106) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7800, 0.4128, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 194, 106) }
```

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

```
.background{ background-color: rgb(232,  
194, 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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