

# Converting Colors

XYZ(58.9554, 56.7328, 38.4151)

Have a look what the booklet for  
XYZ(58.9554, 56.7328, 38.4151)  
contains.

|  |    |
|--|----|
| <b>XYZ(58.9554, 56.7328, 38.4151)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(58.9554, 56.7328,  
38.4151)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | EDBD9A                     |
| RGB           | 237, 189, 154              |
| RGB Percent   | 93%, 74%, 60%              |
| CMY           | 0.0706, 0.2588, 0.3961     |
| CMYK          | 0.00, 0.20, 0.35, 0.07     |
| HSL           | 25°, 70%, 77%              |
| HSV           | 25°, 35%, 93%              |
| XYZ           | 58.9554, 56.7328, 38.4151  |
| YIQ           | 199.3620, 39.8430, -0.7090 |

# Conversions

## Conversions Part 2

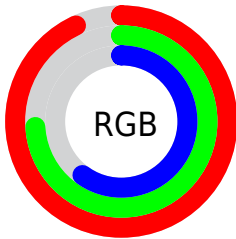
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 237, 215, 154                  |
| Decimal                             | 15580570                       |
| CIE Lab                             | 80.03, 12.50, 24.25            |
| CIE LCh                             | 80, 27.276, 62.734             |
| Yxy                                 | 56.7328, 0.3826,<br>0.3681     |
| Android<br>(android.graphics.Color) | 4293770650<br>(0xFFEDBD9A)     |
| YUV                                 | 199.3620, -22.3635,<br>33.0085 |
| Hunter-Lab                          | 75.3212, 7.9035,<br>22.4859    |

# Details

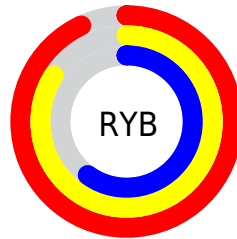
The XYZ color **58.9554, 56.7328, 38.4151** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.7324, 55.2237, 88.1589**, and the grayscale version is **54.6247, 57.4694, 62.5842**.

A 20% lighter version of the original color is **85.4010, 91.1683, 73.4177**, and **30.0747, 28.2909, 16.7075** is the 20% darker color. If you saturate the color by 10%, you get **54.3633, 50.4018, 28.0887**, and if you desaturate by 10%, it is **64.2187, 63.7822, 50.8891**.

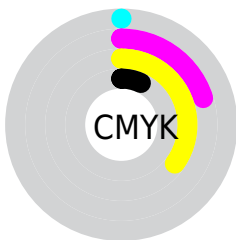
# Distribution



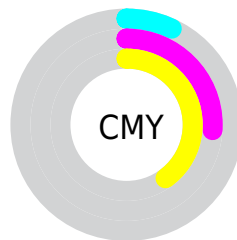
- Red (93%)
- Green (74%)
- Blue (60%)



- Red (93%)
- Yellow (84%)
- Blue (60%)



- Cyan (0%)
- Magenta (20%)
- Yellow (35%)
- Black (7%)




- Cyan (7%)
- Magenta (26%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9554, 56.7328, 38.4151 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 XYZ color 58.9554, 56.7328, 38.4151 by changing the saturation by 10% instead.





 58.9554, 56.7328,  
38.4151

 58.9554, 56.7328,  
38.4151


410.6333,  
412.4473, 354.7487

 42.8234, 40.7908,  
26.0007


 102.4278,  
100.0752, 73.9544

 29.9405, 28.1556,  
16.5984


 130.4990,  
128.2443, 97.9164

 19.9413, 18.4430,  
9.7896


163.2807,  
161.2580, 126.5646

 12.4604, 11.2685,  
5.1559

201.1382,  
199.5005, 160.3177

 7.1325, 6.2477,  
2.2787

244.4368,  
243.3563, 199.5941

 3.5921, 2.9963,  
0.7193

293.5420,

 1.4741, 1.1298,

293.2098, 244.8123

0.0000

348.8190,  
349.4453, 296.3911

■ 0.3081, 0.0032,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.9554, 56.7328,  
38.4151

■ 58.9554, 56.7328,  
38.4151

■ 54.3633, 50.4018,  
28.0887

■ 64.2187, 63.7822,  
50.8891

■ 50.4074, 44.7565,  
19.7824

■ 70.1774, 71.5653,  
65.6211

■ 47.0556, 39.7735,  
13.3607

■ 76.8598, 80.1067,  
82.7181

■ 44.2708, 35.4245,  
8.6694

■ 84.2909, 89.4275,  
102.2791

■ 42.0107, 31.6783,  
5.5297

■ 88.7351, 96.7445,  
108.6045

■ 40.2249, 28.4998,  
3.7224

■ 39.4779, 27.1101,  
3.1521

# Harmonies

## Analogous

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



63.3962, 56.7328, 46.6910



58.9554, 56.7328, 38.4151



53.4160, 56.7328, 36.0205

# Triad

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



58.9554, 56.7328, 38.4151



43.9604, 56.7328, 63.2398



59.8949, 56.7328, 91.1769

# Complementary

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



58.9554, 56.7328, 38.4151



49.7324, 55.2237, 88.1589

# 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.



54.4328, 56.7328, 97.5603



58.9554, 56.7328, 38.4151



45.4436, 56.7328, 79.7949

# Square

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



58.9554, 56.7328, 38.4151



44.9915, 56.7328, 48.8150



49.1851, 56.7328, 93.0774



63.9642, 56.7328, 76.8410



# Rectangle

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



58.9554, 56.7328, 38.4151



49.9073, 56.7328, 37.6764



49.1851, 56.7328, 93.0774



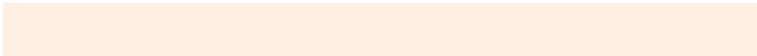
58.1481, 56.7328, 94.4251

# Sweetspot

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



58.9569, 56.7355, 38.4162



85.9004, 88.4075, 85.1738



57.1912, 45.4004, 61.8855



18.1607, 18.6335, 17.6567



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9569, 56.7355, 38.4162



65.6626, 61.5654, 36.3980



69.0781, 76.9779, 41.7900



15.5876, 16.0982, 15.8044



21.6769, 15.0480, 1.7621



1.7955, 1.3683, 0.1695

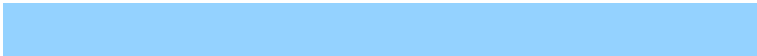


# Inverse Universe

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



49.7324, 55.2237, 88.1589



53.2495, 59.5163, 103.2890



41.3434, 38.4458, 85.3626



14.9546, 15.9957, 19.2215



13.3660, 13.3789, 45.6209



1.1444, 1.2403, 3.6140



# Previews

## White Background



This preview shows how the XYZ color 58.9554, 56.7328, 38.4151 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 XYZ color 58.9554, 56.7328, 38.4151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

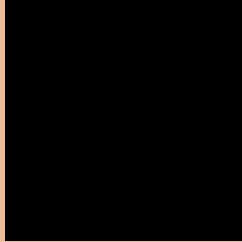
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.9554, 56.7328, 38.4151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9554, 56.7328, 38.4151.



This preview shows how white text looks on a background with the XYZ color 58.9554, 56.7328,

38.4151.

# 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

58.9554, 56.7328, 38.4151

### Protanopia

53.2296, 56.7057, 40.4875

### Deuteranopia

58.0678, 56.9183, 38.4977



## Tritanopia

63.2872, 56.5990, 60.4124

# Trichromacy



## Original Color

58.9554, 56.7328, 38.4151

## Protanomaly

55.1161, 56.6802, 39.9337

## Deuteranomaly

58.1779, 56.6524, 38.4406

## Tritanomaly

61.6246, 56.5594, 51.3851

# Monochromacy



## Original Color

58.9554, 56.7328, 38.4151

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

55.5029, 56.5952, 52.7984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9554, 56.7328, 38.4151 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(237, 189, 154)` looks like.

```
.text, #text, p{  
    color:rgb(237, 189, 154)  
}
```

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(237, 189, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 189, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9554, 56.7328, 38.4151 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(237, 189, 154) }
```



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

```
.border{ border-color:rgb(237, 189, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 189, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 189, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 189, 154);  
box-shadow:4px 4px 4px 4px rgb(237, 189,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9554, 56.7328, 38.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 189, 154) }
```

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

```
.background{ background-color: rgb(237,  
189, 154) }
```

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