

# Converting Colors

XYZ(58.5106, 63.3649, 38.4250)

Have a look what the booklet for  
XYZ(58.5106, 63.3649, 38.4250)  
contains.

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# Color

**XYZ(58.5106, 63.3649,  
38.4250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED197
RGB	222, 209, 151
RGB Percent	87%, 82%, 59%
CMY	0.1294, 0.1804, 0.4078
CMYK	0.00, 0.06, 0.32, 0.13
HSL	49°, 52%, 73%
HSV	49°, 32%, 87%
XYZ	58.5106, 63.3649, 38.4250
YIQ	206.2750, 26.3660, -15.2820

# Conversions

## Conversions Part 2

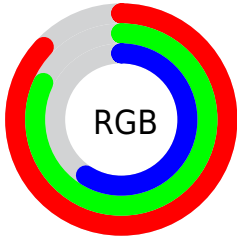
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 222, 151
Decimal	14602647
CIELab	83.63, -4.12, 30.45
CIELCh	84, 30.726, 97.702
Yxy	63.3649, 0.3650, 0.3953
Android (android.graphics.Color)	4292792727 (0xFFDED197)
YUV	206.2750, -27.2506, 13.7908
Hunter-Lab	79.6021, -8.0992, 27.1014

# Details

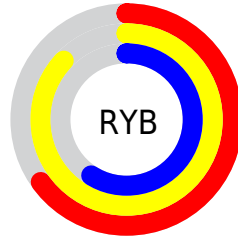
The XYZ color **58.5106, 63.3649, 38.4250** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.2226, 38.4031, 74.4527**, and the grayscale version is **59.0011, 62.0738, 67.5984**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **29.6994, 32.4505, 16.5026** is the 20% darker color. If you saturate the color by 10%, you get **55.8911, 60.7445, 29.4790**, and if you desaturate by 10%, it is **61.4982, 66.1777, 49.1700**.

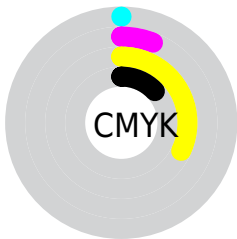
# Distribution



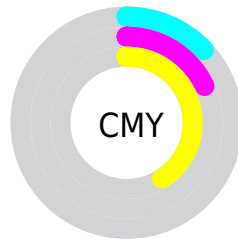
- Red (87%)
- Green (82%)
- Blue (59%)



- Red (65%)
- Yellow (87%)
- Blue (59%)



- Cyan (0%)
- Magenta (6%)
- Yellow (32%)
- Black (13%)



- Cyan (13%)
- Magenta (18%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5106, 63.3649, 38.4250 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 58.5106, 63.3649, 38.4250 by changing the saturation by 10% instead.



■ 58.5106, 63.3649,  
38.4250

■ 58.5106, 63.3649,  
38.4250

409.0091,  
436.8926, 354.7923

■ 42.4641, 46.1365,  
26.0083

■ 101.7847,  
109.6958, 73.9697

■ 29.6576, 32.3535,  
16.6040

■ 129.7431,  
139.5670, 97.9348

■ 19.7256, 21.6317,  
9.7936

162.4028,  
174.4213, 126.5865

■ 12.3028, 13.5865,  
5.1585

200.1293,  
214.6431, 160.3433

■ 7.0239, 7.8336,  
2.2802

243.2878,  
260.6167, 199.6238

■ 3.5235, 3.9887,  
0.7201

292.2437,

■ 1.4363, 1.6672,

312.7266, 244.8464

0.0000

347.3623,  
371.3570, 296.4297

■ 0.2819, 0.4023,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5106, 63.3649,  
38.4250

■ 58.5106, 63.3649,  
38.4250

■ 55.8911, 60.7445,  
29.4790

■ 61.4982, 66.1777,  
49.1700

■ 53.6157, 58.2999,  
22.2275


■ 64.8670, 69.1818,  
61.8030


■ 51.6648, 56.0251,  
16.5612


■ 68.6352, 72.3868,  
76.4116


■ 50.0147, 53.9104,  
12.3562


■ 72.8182, 75.7994,  
93.0769

 48.6382, 51.9447,  
9.4705


 76.2826, 78.9664,  
105.8293

 47.5028, 50.1146,  
7.7332

 77.4222, 81.2456,  
106.2091

 46.7231, 48.7274,  
6.9428

 78.5883, 83.5777,  
106.5978

 79.7811, 85.9633,  
106.9954

 81.0007, 88.4025,  
107.4019

# Harmonies

## Analogous

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



65.2655, 63.3649, 40.0966



58.5106, 63.3649, 38.4250



52.6619, 63.3649, 43.6520

# Triad

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



58.5106, 63.3649, 38.4250



50.5668, 63.3649, 94.2007



72.9957, 63.3649, 84.0153

# Complementary

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



58.5106, 63.3649, 38.4250



39.2226, 38.4031, 74.4527

# Split Complementary

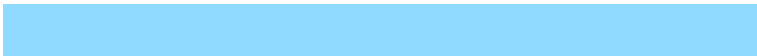
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4827, 63.3649, 102.6257



58.5106, 63.3649, 38.4250



55.4536, 63.3649, 109.2274

# Square

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



58.5106, 63.3649, 38.4250



48.3031, 63.3649, 74.0749



61.9755, 63.3649, 112.5677



73.9662, 63.3649, 64.1501



# Rectangle

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



58.5106, 63.3649, 38.4250



49.9472, 63.3649, 51.0425



61.9755, 63.3649, 112.5677



71.8272, 63.3649, 90.7257

# Sweetspot

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



58.5122, 63.3678, 38.4263



89.7419, 95.5234, 88.2032



47.8937, 40.3445, 40.3937



19.0585, 20.3161, 18.3046



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

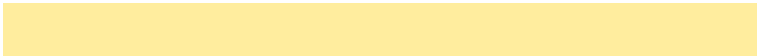


# Same Dimension

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



58.5122, 63.3678, 38.4263



77.7811, 84.4539, 44.5946



55.3981, 66.6901, 39.2317



14.6473, 15.5806, 14.5421



27.8281, 29.0941, 4.1490



1.9850, 2.1290, 0.3063



# Inverse Universe

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



39.2226, 38.4031, 74.4527



47.6633, 45.4853, 100.8752



41.5928, 36.3474, 73.9310



13.1540, 13.6470, 17.3285



8.3535, 4.1766, 41.4143



0.6391, 0.4096, 2.8906



# Previews

## White Background



This preview shows how the XYZ color 58.5106, 63.3649, 38.4250 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 58.5106, 63.3649, 38.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

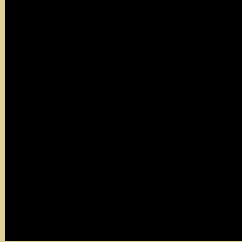
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.5106, 63.3649, 38.4250

## Background



This preview shows how black text looks on a background with the XYZ color 58.5106, 63.3649, 38.4250.



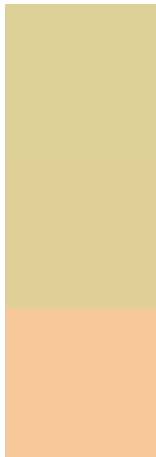
This preview shows how white text looks on a background with the XYZ color 58.5106, 63.3649,



# 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

58.5106, 63.3649, 38.4250

### Protanopia

58.8823, 63.1934, 38.3723

### Deuteranopia

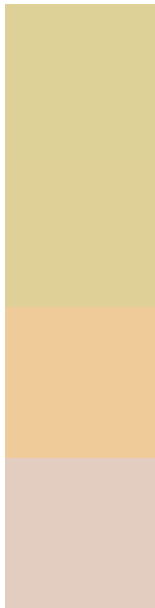
64.7618, 63.3826, 38.9577



## Tritanopia

65.9144, 63.5542, 73.7589

# Trichromacy



## Original Color

58.5106, 63.3649, 38.4250

## Protanomaly

58.5732, 63.0341, 38.3578

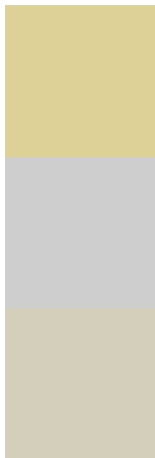
## Deuteranomaly

62.2833, 63.1560, 38.6134

## Tritanomaly

62.7858, 63.3224, 58.7824

# Monochromacy



## Original Color

58.5106, 63.3649, 38.4250

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.3271, 62.1679, 55.3798

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5106, 63.3649, 38.4250 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(222, 209, 151)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 151)  
}
```

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(222, 209, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5106, 63.3649, 38.4250 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(222, 209, 151) }
```



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

```
.border{ border-color:rgb(222, 209, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 151);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5106, 63.3649, 38.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 151) }
```

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

```
.background{ background-color: rgb(222,  
209, 151) }
```

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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