

# Converting Colors

XYZ(56.7874, 60.3648, 38.5351)

Have a look what the booklet for  
XYZ(56.7874, 60.3648, 38.5351)  
contains.

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# Color

**XYZ(56.8422, 60.3510,  
38.3588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCB98
RGB	221, 203, 152
RGB Percent	87%, 80%, 60%
CMY	0.1333, 0.2039, 0.4039
CMYK	0.00, 0.08, 0.31, 0.13
HSL	44°, 50%, 73%
HSV	44°, 31%, 87%
XYZ	56.8422, 60.3510, 38.3588
YIQ	202.5680, 27.0990, -12.0450

# Conversions

## Conversions Part 2

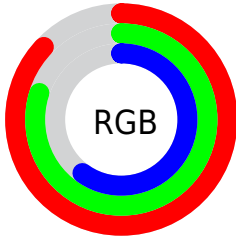
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 221, 152
Decimal	14535576
CIELab	82.03, -1.28, 27.76
CIELCh	82, 27.791, 92.639
Yxy	60.3510, 0.3654, 0.3880
Android (android.graphics.Color)	4292725656 (0xFFDDCB98)
YUV	202.5680, -24.9300, 16.1649
Hunter-Lab	77.6859, -5.3432, 25.1046

# Details

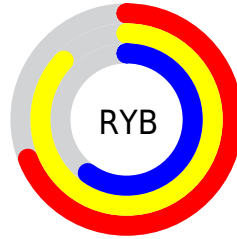
The XYZ color **56.8422, 60.3510, 38.3588** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.3745, 40.6442, 74.1238**, and the grayscale version is **56.6345, 59.5839, 64.8869**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **28.6135, 30.4338, 16.6781** is the 20% darker color. If you saturate the color by 10%, you get **53.8628, 57.0237, 29.2524**, and if you desaturate by 10%, it is **60.2126, 63.9199, 49.2608**.

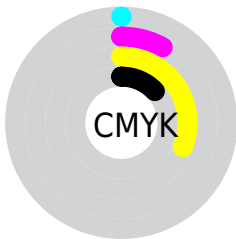
# Distribution



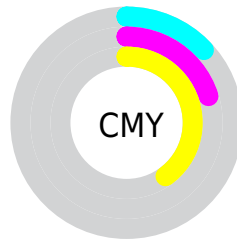
- Red (87%)
- Green (80%)
- Blue (60%)



- Red (69%)
- Yellow (87%)
- Blue (60%)



- Cyan (0%)
- Magenta (8%)
- Yellow (31%)
- Black (13%)




- Cyan (13%)
- Magenta (20%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8422, 60.3510, 38.3588 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 56.8422, 60.3510, 38.3588 by changing the saturation by 10% instead.




 56.8422, 60.3510,  
38.3588

 56.8422, 60.3510,  
38.3588


402.8815,  
425.8903, 354.5009

 41.1182, 43.7016,  
25.9573


 99.3676, 105.3387,  
73.8673

 28.5995, 30.4360,  
16.5662


 126.8997,  
134.4457, 97.8113

 18.9208, 20.1698,  
9.7670


159.0985,  
168.4742, 126.4399

 11.7168, 12.5185,  
5.1412

196.3295,  
207.8083, 160.1717

 6.6219, 7.0978,  
2.2702

238.9579,  
252.8326, 199.4251

 3.2710, 3.5234,  
0.7144

287.3492,

 1.2987, 1.4107,

303.9315, 244.6188

0.0000

341.8686,  
361.4892, 296.1712

■ 0.1822, 0.2246,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.8422, 60.3510,  
38.3588

■ 56.8422, 60.3510,  
38.3588

■ 53.8628, 57.0237,  
29.2524

■ 60.2126, 63.9199,  
49.2608

■ 51.2504, 53.9213,  
21.8388


■ 63.9873, 67.7302,  
62.0459


■ 48.9854, 51.0370,  
16.0106


■ 68.1843, 71.7921,  
76.8006

■ 47.0444, 48.3606,  
11.6463


■ 72.8195, 76.1127,  
93.6047


 45.4002, 45.8804,  
8.6070


 76.6758, 80.2062,  
106.0478


 44.0209, 43.5826,  
6.7264

 78.3233, 83.5012,  
106.5970

 42.9807, 41.6960,  
5.7828

 80.0245, 86.9036,  
107.1641

 81.7799, 90.4143,  
107.7492

 83.5899, 94.0344,  
108.3525

# Harmonies

## Analogous

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



62.7225, 60.3510, 40.9227



56.8422, 60.3510, 38.3588



51.4712, 60.3510, 42.0209

# Triad

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



56.8422, 60.3510, 38.3588



48.3489, 60.3510, 84.7913



68.0127, 60.3510, 81.7638

# Complementary

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



56.8422, 60.3510, 38.3588



40.3745, 40.6442, 74.1238

# 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.



63.6855, 60.3510, 96.9621



56.8422, 60.3510, 38.3588



52.3156, 60.3510, 98.9096

# Square

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



56.8422, 60.3510, 38.3588



46.7820, 60.3510, 67.2160



57.8846, 60.3510, 103.7026



69.4273, 60.3510, 64.2306



# Rectangle

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



56.8422, 60.3510, 38.3588



48.8277, 60.3510, 47.9390



57.8846, 60.3510, 103.7026



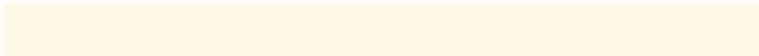
66.8365, 60.3510, 87.4105

# Sweetspot

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



56.8437, 60.3538, 38.3601



89.6928, 94.8495, 89.9616



48.3411, 40.7468, 43.5467



19.0224, 20.1293, 18.6461



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.



56.8437, 60.3538, 38.3601



76.0487, 80.6340, 45.1123



56.6735, 66.9450, 39.6413



13.8599, 14.6592, 13.8246



25.0646, 24.4147, 3.3915



1.6922, 1.7185, 0.2425



# Inverse Universe

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



40.3745, 40.6442, 74.1238



50.0801, 49.5660, 101.5354



40.4498, 36.0135, 73.2261



12.6134, 13.1666, 16.5287



8.5285, 4.9264, 40.2398



0.6223, 0.4587, 2.6302



# Previews

## White Background



This preview shows how the XYZ color 56.8422, 60.3510, 38.3588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

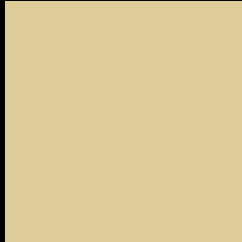
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8422, 60.3510, 38.3588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

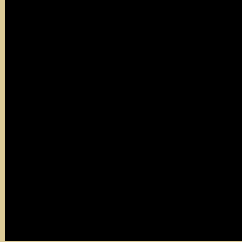
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.8422, 60.3510, 38.3588**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8422, 60.3510, 38.3588.



This preview shows how white text looks on a background with the XYZ color 56.8422, 60.3510,



# 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

56.8422, 60.3510, 38.3588

### Protanopia

56.4738, 60.5128, 38.4094

### Deuteranopia

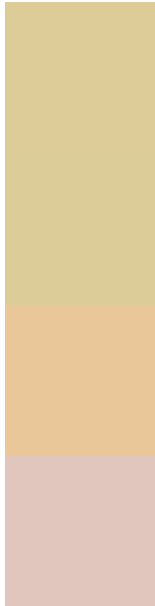
61.5078, 60.3382, 38.9765



## Tritanopia

63.2679, 60.2273, 69.9185

# Trichromacy



## Original Color

56.8422, 60.3510, 38.3588

## Protanomaly

56.7756, 60.6684, 38.4235

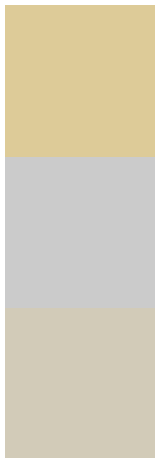
## Deuteranomaly

59.7775, 60.4704, 38.6583

## Tritanomaly

60.5397, 60.1134, 57.1275

# Monochromacy



## Original Color

56.8422, 60.3510, 38.3588

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.5860, 59.8742, 53.9219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8422, 60.3510, 38.3588 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(221, 203, 152)` looks like.

```
.text, #text, p{  
    color:rgb(221, 203, 152)  
}
```

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(221, 203, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 203, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8422, 60.3510, 38.3588 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(221, 203, 152) }
```



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

```
.border{ border-color:rgb(221, 203, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 203, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 203, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 203, 152); box-shadow:4px 4px 4px 4px rgb(221, 203, 152) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8422, 60.3510, 38.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 203, 152) }
```

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

```
.background{ background-color: rgb(221,  
203, 152) }
```

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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