

# Converting Colors

XYZ(56.3205, 60.6088, 37.5220)

Have a look what the booklet for  
XYZ(56.3205, 60.6088, 37.5220)  
contains.

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# Color

**XYZ(56.3113, 60.4478,  
37.5538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBCC96
RGB	219, 204, 150
RGB Percent	86%, 80%, 59%
CMY	0.1412, 0.2000, 0.4118
CMYK	0.00, 0.07, 0.32, 0.14
HSL	47°, 49%, 72%
HSV	47°, 32%, 86%
XYZ	56.3113, 60.4478, 37.5538
YIQ	202.3290, 26.2740, -13.6140

# Conversions

## Conversions Part 2

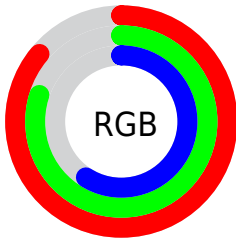
Format	Color
<a href="#">RYB</a>	169, 219, 150
Decimal	14404758
CIELab	82.08, -2.82, 28.85
CIELCh	82, 28.985, 95.586
Yxy	60.4478, 0.3649, 0.3917
Android (android.graphics.Color)	4292594838 (0xFFDBCC96)
YUV	202.3290, -25.7982, 14.6205
Hunter-Lab	77.7482, -6.7757, 25.7856

# Details

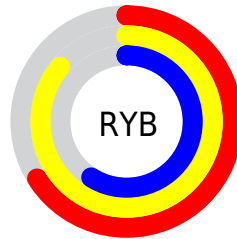
The XYZ color **56.3113, 60.4478, 37.5538** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8187, 38.5077, 72.4047**, and the grayscale version is **56.4904, 59.4323, 64.7218**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **28.2627, 30.5001, 16.2019** is the 20% darker color. If you saturate the color by 10%, you get **53.5966, 57.5816, 28.7467**, and if you desaturate by 10%, it is **59.3933, 63.5205, 48.1107**.

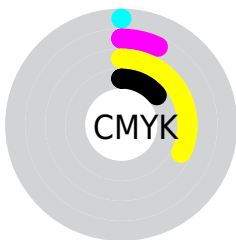
# Distribution



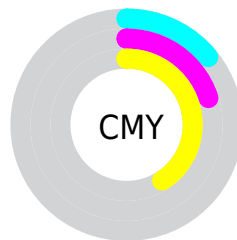
- Red (86%)
- Green (80%)
- Blue (59%)



- Red (66%)
- Yellow (86%)
- Blue (59%)



- Cyan (0%)
- Magenta (7%)
- Yellow (32%)
- Black (14%)




- Cyan (14%)
- Magenta (20%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3113, 60.4478, 37.5538 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 56.3113, 60.4478, 37.5538 by changing the saturation by 10% instead.





 56.3113, 60.4478,  
37.5538


 56.3113, 60.4478,  
37.5538


400.9196,  
426.2464, 350.9426

 40.6905, 43.7797,  
25.3374


 98.5968, 105.4790,  
72.6195

 28.2640, 30.4973,  
16.1073


 125.9922,  
134.6108, 96.3060

 18.6662, 20.2164,  
9.4450


158.0432,  
168.6660, 124.6528

 11.5319, 12.5524,  
4.9318

195.1151,  
208.0290, 158.0787

 6.4957, 7.1211,  
2.1492

237.5734,  
253.0841, 197.0020

 3.1923, 3.5379,  
0.6449

285.7834,

 1.2562, 1.4186,

304.2158, 241.8415

0.0000

340.1103,  
361.8084, 293.0155

■ 0.1501, 0.2304,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.3113, 60.4478,  
37.5538

■ 56.3113, 60.4478,  
37.5538

■ 53.5966, 57.5816,  
28.7467

■ 59.3933, 63.5205,  
48.1107

■ 51.2259, 54.9056,  
21.5887


■ 62.8551, 66.7989,  
60.5030


■ 49.1801, 52.4140,  
15.9745


■ 66.7146, 70.2925,  
74.8154

■ 47.4364, 50.0971,  
11.7850


■ 70.9867, 74.0079,  
91.1262

 45.9686, 47.9438,  
8.8838


 74.9524, 77.6580,  
105.6468

 44.7453, 45.9412,  
7.1076

 76.2783, 80.3098,  
106.0888

 43.8535, 44.3401,  
6.2472

 77.6405, 83.0342,  
106.5429

 79.0394, 85.8319,  
107.0091

 80.4750, 88.7032,  
107.4877

# Harmonies

## Analogous

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



62.4780, 60.4478, 39.5598



56.3113, 60.4478, 37.5538



50.8479, 60.4478, 41.9526

# Triad

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



56.3113, 60.4478, 37.5538



48.3694, 60.4478, 87.5410



68.9000, 60.4478, 80.8204

# Complementary

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



56.3113, 60.4478, 37.5538



38.8187, 38.5077, 72.4047

# 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.



64.6084, 60.4478, 97.3551



56.3113, 60.4478, 37.5538



52.7065, 60.4478, 101.6944

# Square

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



56.3113, 60.4478, 37.5538



46.4771, 60.4478, 69.1667



58.6117, 60.4478, 105.5726



70.0356, 60.4478, 62.5780



# Rectangle

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



56.3113, 60.4478, 37.5538



48.2460, 60.4478, 48.4830



58.6117, 60.4478, 105.5726



67.7644, 60.4478, 86.8575

# Sweetspot

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



56.3128, 60.4506, 37.5551



90.0021, 95.4680, 90.0647



47.0124, 39.6303, 41.2968



19.0990, 20.2824, 18.6716



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.



56.3128, 60.4506, 37.5551



76.8264, 82.5446, 44.2764



54.8169, 65.2274, 38.5559



13.9096, 14.7586, 13.8412



26.0865, 26.4586, 3.7321



1.7508, 1.8357, 0.2621



# Inverse Universe

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



38.8187, 38.5077, 72.4047



48.3220, 46.8029, 101.0948



39.9269, 35.2967, 71.7265



12.5670, 13.0737, 16.5133



8.2646, 4.3987, 40.1518

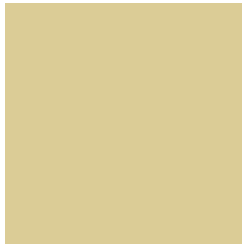


0.5994, 0.4130, 2.6226



# Previews

## White Background



This preview shows how the XYZ color 56.3113, 60.4478, 37.5538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

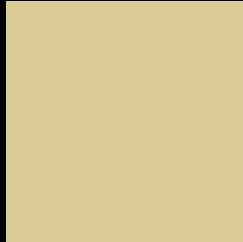
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3113, 60.4478, 37.5538 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

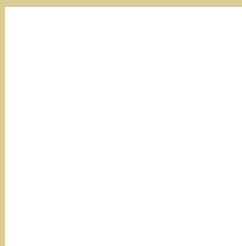
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.3113, 60.4478, 37.5538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3113, 60.4478, 37.5538.



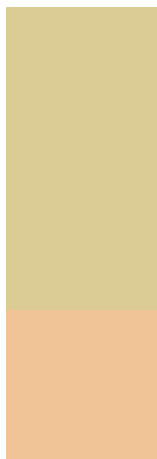
This preview shows how white text looks on a background with the XYZ color 56.3113, 60.4478,



# 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

56.3113, 60.4478, 37.5538

### Protanopia

56.3113, 60.4478, 37.5538

### Deuteranopia

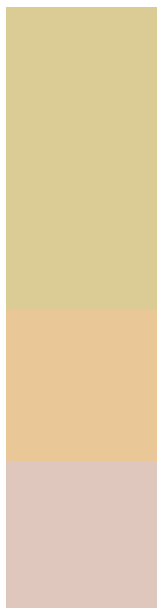
61.6831, 60.4476, 38.1223



## Tritanopia

62.8618, 60.3518, 69.9639

# Trichromacy



## Original Color

56.3113, 60.4478, 37.5538

## Protanomaly

56.3113, 60.4478, 37.5538

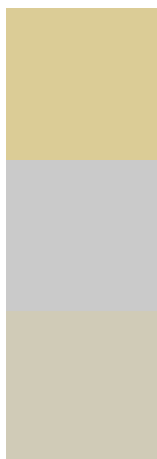
## Deuteranomaly

59.6136, 60.4049, 37.7955

## Tritanomaly

60.0402, 60.2089, 56.6011

# Monochromacy



## Original Color

56.3113, 60.4478, 37.5538

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.9156, 59.5407, 53.3452

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3113, 60.4478, 37.5538 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(219, 204, 150)` looks like.

```
.text, #text, p{  
    color:rgb(219, 204, 150)  
}
```

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(219, 204, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 204, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3113, 60.4478, 37.5538 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(219, 204, 150) }
```



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

```
.border{ border-color:rgb(219, 204, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 204, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(219, 204,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3113, 60.4478, 37.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 204, 150) }
```

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

```
.background{ background-color: rgb(219,  
204, 150) }
```

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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