

Converting Colors

XYZ(63.6586, 65.6688, 50.8662)

Have a look what the booklet for
XYZ(63.6586, 65.6688, 50.8662)
contains.

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Color

**XYZ(63.6913, 65.7642,
50.9318)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D1B1
RGB	231, 209, 177
RGB Percent	91%, 82%, 69%
CMY	0.0941, 0.1804, 0.3059
CMYK	0.00, 0.10, 0.23, 0.09
HSL	36°, 53%, 80%
HSV	36°, 23%, 91%
XYZ	63.6913, 65.7642, 50.9318
YIQ	211.9300, 23.3840, -5.2880

Conversions

Conversions Part 2

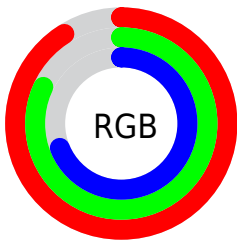
Format	Color
R _Y B	214, 231, 177
Decimal	15192497
CIE Lab	84.88, 2.73, 18.67
CIE LCh	85, 18.870, 81.684
Yxy	65.7642, 0.3531, 0.3646
Android (android.graphics.Color)	4293382577 (0xFFE7D1B1)
YUV	211.9300, -17.2205, 16.7244
Hunter-Lab	81.0951, -1.7244, 19.5295

Details

The XYZ color **63.6913, 65.7642, 50.9318** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.9783, 55.9620, 83.6112**, and the grayscale version is **62.6342, 65.8960, 71.7608**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **33.0386, 34.0119, 23.8924** is the 20% darker color. If you saturate the color by 10%, you get **59.3407, 60.4408, 39.0675**, and if you desaturate by 10%, it is **68.5715, 71.5222, 64.8970**.

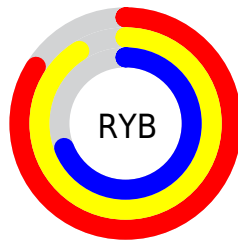
Distribution



Red (91%)

Green (82%)

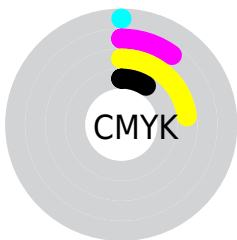
Blue (69%)



Red (84%)

Yellow (91%)

Blue (69%)

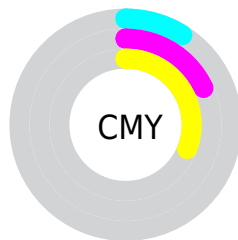


Cyan (0%)

Magenta (10%)

Yellow (23%)

Black (9%)



Cyan (9%)


Magenta (18%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6913, 65.7642, 50.9318 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 63.6913, 65.7642, 50.9318 by changing the saturation by 10% instead.


 63.6913, 65.7642,
50.9318

 63.6913, 65.7642,
50.9318

427.6939,
445.5331, 407.1377

 46.6614, 48.0810,
35.7780


 109.2425,
113.1478, 92.9644

 32.9749, 33.8910,
23.9744


138.4945,
143.6171, 120.6803

 22.2664, 22.8099,
15.1026


172.5512,
179.1171, 153.4206

 14.1705, 14.4532,
8.7440

211.7781,
220.0323, 191.6039

 8.3218, 8.4365,
4.4801

256.5405,
266.7471, 235.6488

 4.3551, 4.3755,
1.8922

307.2037,

 1.9049, 1.8858,

319.6460, 285.9736

0.4878

364.1330,
379.1131, 342.9971

■ 0.5797, 0.5398,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6913, 65.7642,
50.9318

■ 63.6913, 65.7642,
50.9318

■ 59.3407, 60.4408,
39.0675

■ 68.5715, 71.5222,
64.8970

■ 55.4926, 55.5306,
29.1960

■ 73.9967, 77.7176,
81.0557

■ 52.1250, 51.0231,
21.2054

■ 79.9878, 84.3648,
99.5001

■ 49.2119, 46.9042,
14.9712

■ 84.1566, 90.5119,
107.6428

■ 46.7244, 43.1581,
10.3537

■ 86.7652, 95.7290,
108.5123

■ 44.6295, 39.7674,
7.1915

■ 42.8874, 36.7120,
5.2890

■ 41.8880, 34.8547,
4.5199

Harmonies

Analogous

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



67.6894, 65.7642, 54.8322



63.6913, 65.7642, 50.9318



59.5480, 65.7642, 52.0589

Triad

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



63.6913, 65.7642, 50.9318



55.2457, 65.7642, 80.5673



69.1118, 65.7642, 87.0497

Complementary

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



63.6913, 65.7642, 50.9318



52.9783, 55.9620, 83.6112

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.



65.5622, 65.7642, 95.5199



63.6913, 65.7642, 50.9318



57.5959, 65.7642, 91.4931

Square

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



63.6913, 65.7642, 50.9318



54.7954, 65.7642, 68.2878



61.3373, 65.7642, 97.2317



70.9100, 65.7642, 75.0300

Rectangle

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



63.6913, 65.7642, 50.9318



57.2497, 65.7642, 55.5725



61.3373, 65.7642, 97.2317



68.0765, 65.7642, 90.4602

Sweetspot

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



63.6930, 65.7672, 50.9332



90.0322, 94.3517, 93.7022



59.0447, 52.5808, 61.3755



19.1815, 20.0937, 19.7897



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.



63.6930, 65.7672, 50.9332



77.0238, 79.0518, 56.3268



68.0333, 76.5763, 52.7908



15.0835, 15.7810, 15.1555



23.6078, 19.7898, 2.5755



1.8353, 1.6439, 0.2206

Inverse Universe

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



52.9783, 55.9620, 83.6112



61.4359, 64.7900, 103.8754



49.3202, 47.0990, 82.0933



14.0624, 14.8463, 18.2688



10.4495, 7.9611, 43.3691



0.8616, 0.7671, 3.2346

Previews

White Background



This preview shows how the XYZ color 63.6913, 65.7642, 50.9318 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 63.6913, 65.7642, 50.9318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

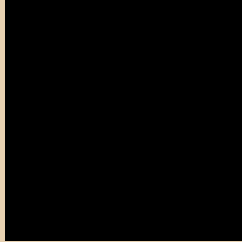
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6913, 65.7642, 50.9318

Background



This preview shows how black text looks on a background with the XYZ color 63.6913, 65.7642, 50.9318.



This preview shows how white text looks on a background with the XYZ color 63.6913, 65.7642,

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

63.6913, 65.7642, 50.9318

Protanopia

62.0108, 65.9893, 51.5884

Deuteranopia

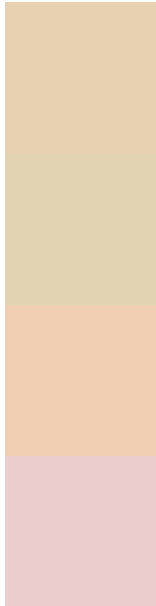
66.9370, 65.6332, 51.2600



Tritanopia

68.7342, 65.6592, 76.0686

Trichromacy



Original Color

63.6913, 65.7642, 50.9318

Protanomaly

62.6942, 65.9716, 51.5489

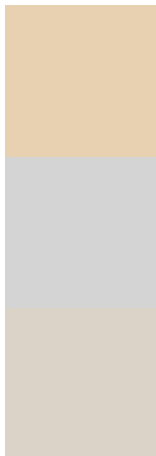
Deuteranomaly

65.7038, 65.7077, 51.3394

Tritanomaly

66.6621, 65.5147, 66.2589

Monochromacy



Original Color

63.6913, 65.7642, 50.9318

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.8165, 65.7721, 63.4173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6913, 65.7642, 50.9318 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(231, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 209, 177)  
}
```

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(231, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 209, 177) }
```

Border

The CSS property to change the border of an element to XYZ 63.6913, 65.7642, 50.9318 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(231, 209, 177) }
```


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

```
.border{ border-color:rgb(231, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(231, 209,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6913, 65.7642, 50.9318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 209, 177) }
```

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

```
.background{ background-color: rgb(231,  
209, 177) }
```

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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