

# Converting Colors

XYZ(65.6835, 68.1708, 65.1264)

Have a look what the booklet for  
XYZ(65.6835, 68.1708, 65.1264)  
contains.

<b>XYZ(65.6405, 68.3177, 64.9854)</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(65.6405, 68.3177,  
64.9854)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1D6C9
RGB	225, 214, 201
RGB Percent	88%, 84%, 79%
CMY	0.1176, 0.1608, 0.2118
CMYK	0.00, 0.05, 0.11, 0.12
HSL	33°, 29%, 84%
HSV	33°, 11%, 88%
XYZ	65.6405, 68.3177, 64.9854
YIQ	215.8070, 10.7290, -1.7110

# Conversions

## Conversions Part 2

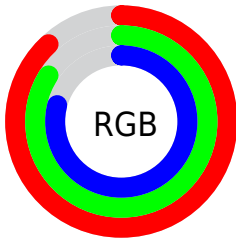
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 225, 201
Decimal	14800585
CIE <sub>Lab</sub>	86.17, 1.59, 7.76
CIE <sub>LCh</sub>	86, 7.919, 78.406
Yxy	68.3177, 0.3299, 0.3434
Android (android.graphics.Color)	4292990665 (0xFFE1D6C9)
YUV	215.8070, -7.2999, 8.0623
Hunter-Lab	82.6545, -2.8887, 11.2426

# Details

The XYZ color **65.6405, 68.3177, 64.9854** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2214, 64.9396, 80.5427**, and the grayscale version is **65.1834, 68.5780, 74.6815**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.2422, 35.4489, 32.6413** is the 20% darker color. If you saturate the color by 10%, you get **60.6588, 62.2840, 51.2090**, and if you desaturate by 10%, it is **71.1788, 74.8428, 80.8618**.

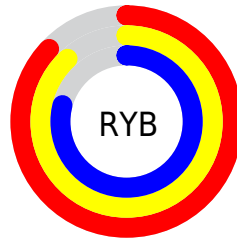
# Distribution



Red (88%)

Green (84%)

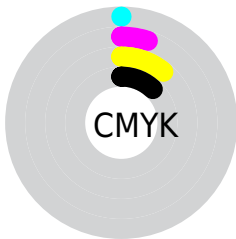
Blue (79%)



Red (87%)

Yellow (88%)

Blue (79%)

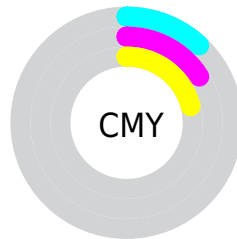


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (12%)



Cyan (12%)

Magenta (16%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6405, 68.3177, 64.9854 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 65.6405, 68.3177, 64.9854 by changing the saturation by 10% instead.



65.6405, 68.3177,  
64.9854

65.6405, 68.3177,  
64.9854

434.5990,  
454.6208, 461.0443

48.2473, 50.1562,  
46.9980

112.0308,  
116.8065, 113.6419

34.2348, 35.5376,  
32.6797

141.7585,  
147.9027, 145.1481

23.2378, 24.0773,  
21.6121

176.3285,  
184.0792, 181.9977

14.8908, 15.3909,  
13.3766

216.1061,  
225.7204, 224.6091

8.8286, 9.0942,  
7.5546

261.4565,  
273.2108, 273.4009

4.6858, 4.8027,  
3.7276

312.7453,

2.0970, 2.1320,

326.9348, 328.7917

1.4771

370.3376,  
387.2766, 391.2000

■ 0.6876, 0.6825,  
0.2008

■ 0.0000, 0.0000,  
0.0000

■ 65.6405, 68.3177,  
64.9854

■ 65.6405, 68.3177,  
64.9854

■ 60.6588, 62.2840,  
51.2090

■ 71.1788, 74.8428,  
80.8618

■ 56.2084, 56.7198,  
39.4387

■ 77.2869, 81.8625,  
98.9179

■ 52.2699, 51.6148,  
29.5801

■ 81.7333, 88.4910,  
107.3804

■ 48.8206, 46.9548,  
21.5294

■ 84.8616, 94.7477,  
108.4232

■ 45.8358, 42.7244,  
15.1726

■ 43.2882, 38.9074,  
10.3828

■ 41.1469, 35.4857,  
7.0147

■ 39.3755, 32.4389,  
4.8955

■ 38.0007, 29.9058,  
3.7695

# Harmonies

## Analogous

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



67.2872, 68.3177, 67.1332



65.6405, 68.3177, 64.9854



63.8342, 68.3177, 65.2677

# Triad

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



65.6405, 68.3177, 64.9854



61.6666, 68.3177, 77.5991



67.5890, 68.3177, 81.2469

# Complementary

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



65.6405, 68.3177, 64.9854



61.2214, 64.9396, 80.5427

# 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.



66.0462, 68.3177, 84.3171



65.6405, 68.3177, 64.9854



62.6361, 68.3177, 82.1440

# Square

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



65.6405, 68.3177, 64.9854



61.5626, 68.3177, 72.3882



64.2324, 68.3177, 84.6529



68.4262, 68.3177, 76.4209



# Rectangle

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



65.6405, 68.3177, 64.9854



62.7820, 68.3177, 66.7986



64.2324, 68.3177, 84.6529



67.1344, 68.3177, 82.5280

# Sweetspot

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



65.6424, 68.3207, 64.9869



92.7346, 97.3011, 102.1725



63.8477, 62.5454, 71.1279



19.7191, 20.6742, 21.4938



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

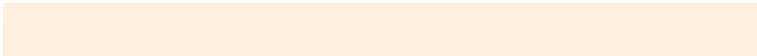


# Same Dimension

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



65.6424, 68.3207, 64.9869



85.5095, 88.7354, 81.6227



68.2711, 73.9475, 65.9344



14.3194, 14.9249, 14.4329



22.0158, 17.4695, 2.2116



1.6153, 1.3894, 0.1830

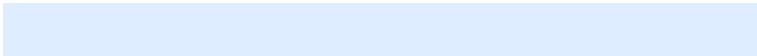


# Inverse Universe

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



61.2214, 64.9396, 80.5427



78.4235, 83.3163, 106.5560



58.7812, 59.7393, 79.6675



13.4668, 14.2728, 17.4328



10.7453, 8.9601, 42.2115

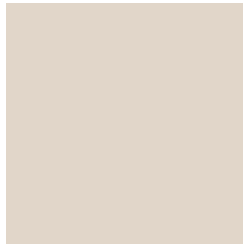


0.8335, 0.7985, 2.9554



# Previews

## White Background



This preview shows how the XYZ color 65.6405, 68.3177, 64.9854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

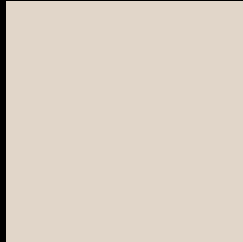
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6405, 68.3177, 64.9854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

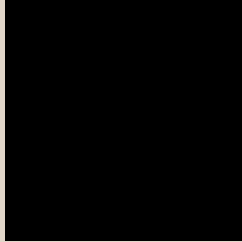
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

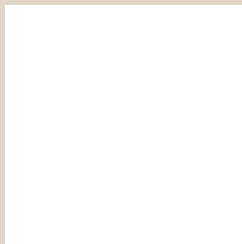
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.6405, 68.3177, 64.9854

## Background



This preview shows how black text looks on a background with the XYZ color 65.6405, 68.3177, 64.9854.



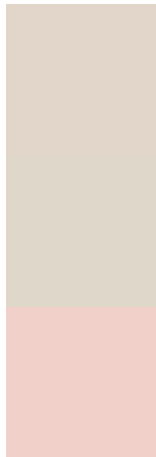
This preview shows how white text looks on a background with the XYZ color 65.6405, 68.3177,



# 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

65.6405, 68.3177, 64.9854

### Protanopia

65.2745, 68.5059, 65.0410

### Deuteranopia

69.4922, 68.0768, 65.3546



## Tritanopia

69.2248, 68.2973, 82.2072

# Trichromacy



## Original Color

65.6405, 68.3177, 64.9854

## Protanomaly

65.5835, 68.6652, 65.0554

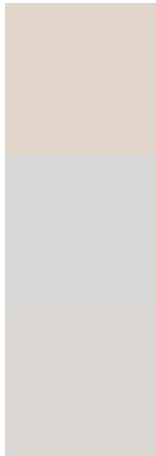
## Deuteranomaly

67.9682, 68.0196, 65.4239

## Tritanomaly

67.9441, 68.1445, 75.9018

# Monochromacy



## Original Color

65.6405, 68.3177, 64.9854

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

65.2717, 68.3641, 71.3834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6405, 68.3177, 64.9854 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(225, 214, 201) looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 201)  
}
```

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(225, 214, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6405, 68.3177, 64.9854 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(225, 214, 201) }
```



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

```
.border{ border-color:rgb(225, 214, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 214, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 214, 201);  
box-shadow:4px 4px 4px 4px rgb(225, 214,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6405, 68.3177, 64.9854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 201) }
```

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

```
.background{ background-color: rgb(225,  
214, 201) }
```

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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