

# Converting Colors

XYZ(65.5437, 69.1456, 50.9632)

Have a look what the booklet for  
XYZ(65.5437, 69.1456, 50.9632)  
contains.

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# **Color**

**XYZ(65.6711, 69.4021,  
51.0090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D8B0
RGB	232, 216, 176
RGB Percent	91%, 85%, 69%
CMY	0.0902, 0.1529, 0.3098
CMYK	0.00, 0.07, 0.24, 0.09
HSL	43°, 55%, 80%
HSV	43°, 24%, 91%
XYZ	65.6711, 69.4021, 51.0090
YIQ	216.2240, 22.3760, -9.0480

# Conversions

## Conversions Part 2

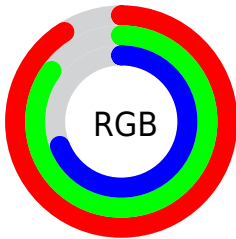
Format	Color
R <sub>Y</sub> B	198, 232, 176
Decimal	15259824
CIE Lab	86.70, -0.66, 21.74
CIE LCh	87, 21.752, 91.732
Yxy	69.4021, 0.3529, 0.3730
Android (android.graphics.Color)	4293449904 (0xFFE8D8B0)
YUV	216.2240, -19.8304, 13.8356
Hunter-Lab	83.3079, -5.0785, 22.0126

# Details

The XYZ color **65.6711, 69.4021, 51.0090** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.3194, 52.7544, 83.8222**, and the grayscale version is **65.5447, 68.9582, 75.0954**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **34.2245, 36.1499, 23.9127** is the 20% darker color. If you saturate the color by 10%, you get **61.9059, 65.2364, 39.3803**, and if you desaturate by 10%, it is **69.9008, 73.8679, 64.7296**.

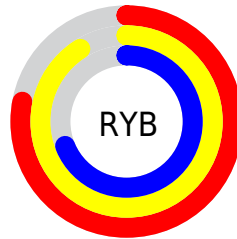
# Distribution



Red (91%)

Green (85%)

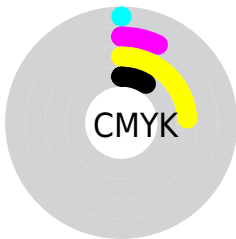
Blue (69%)



Red (78%)

Yellow (91%)

Blue (69%)

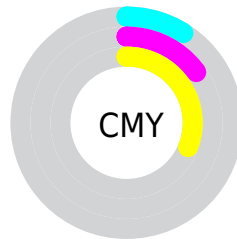


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6711, 69.4021, 51.0090 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 65.6711, 69.4021, 51.0090 by changing the saturation by 10% instead.



■ 65.6711, 69.4021,  
51.0090

■ 65.6711, 69.4021,  
51.0090

434.7069,  
458.4479, 407.4463

■ 48.2722, 51.0393,  
35.8390

■ 112.0745,  
118.3557, 93.0797

■ 34.2546, 36.2398,  
24.0212

141.8097,  
149.7153, 120.8175

■ 23.2531, 24.6195,  
15.1370

176.3876,  
186.1758, 153.5816

■ 14.9022, 15.7938,  
8.7679

216.1738,  
228.1218, 191.7906

■ 8.8367, 9.3784,  
4.4954

261.5334,  
275.9376, 235.8631

■ 4.6910, 4.9888,  
1.9008

312.8319,

■ 2.1000, 2.2407,

330.0076, 286.2175

0.4933

370.4346,  
390.7163, 343.2724

■ 0.6892, 0.7420,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.6711, 69.4021,  
51.0090

■ 65.6711, 69.4021,  
51.0090

■ 61.9059, 65.2364,  
39.3803

■ 69.9008, 73.8679,  
64.7296

■ 58.5790, 61.3520,  
29.7339

■ 74.6087, 78.6335,  
80.6355

■ 55.6697, 57.7415,  
21.9565

■ 79.8150, 83.7104,  
98.8199

■ 53.1532, 54.3938,  
15.9221

■ 83.2338, 88.1856,  
107.2424

■ 51.0018, 51.2965,  
11.4883

■ 85.2476, 92.2132,  
107.9136

■ 49.1833, 48.4354,  
8.4907

■ 87.0889, 95.8959,  
108.5274

■ 47.6589, 45.7934,  
6.7285

■ 46.8669, 44.3318,  
6.0867

# Harmonies

## Analogous

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



70.6778, 69.4021, 53.5974



65.6711, 69.4021, 51.0090



60.9813, 69.4021, 54.2697

# Triad

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



65.6711, 69.4021, 51.0090



58.0350, 69.4021, 91.1809



74.9050, 69.4021, 89.5383

# Complementary

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



65.6711, 69.4021, 51.0090



51.3194, 52.7544, 83.8222

# Split Complementary

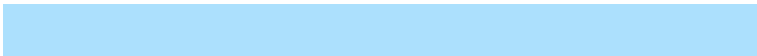
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.2123, 69.4021, 101.8139



65.6711, 69.4021, 51.0090



61.4657, 69.4021, 102.8443

# Square

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



65.6711, 69.4021, 51.0090



56.7146, 69.4021, 76.4121



66.2590, 69.4021, 106.9610



76.1694, 69.4021, 74.7284



# Rectangle

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



65.6711, 69.4021, 51.0090



58.6208, 69.4021, 59.5982



66.2590, 69.4021, 106.9610



73.8975, 69.4021, 94.1604

# Sweetspot

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



65.6729, 69.4052, 51.0105



90.7030, 95.6932, 93.9258



58.4081, 52.0487, 57.3040



19.3370, 20.4047, 19.8416



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

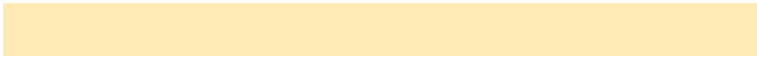


# Same Dimension

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



65.6729, 69.4052, 51.0105



78.9736, 83.3742, 55.6734



66.4517, 76.1892, 52.2789



15.2355, 16.0850, 15.2062



26.1311, 24.8363, 3.4166



2.0093, 1.9919, 0.2786



# Inverse Universe

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



51.3194, 52.7544, 83.8222



58.2788, 59.3718, 102.9960



50.6342, 47.4679, 82.8380



13.9164, 14.5543, 18.2201



9.2694, 5.6008, 42.9757

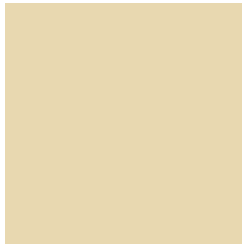


0.7623, 0.5686, 3.2015



# Previews

## White Background



This preview shows how the XYZ color 65.6711, 69.4021, 51.0090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

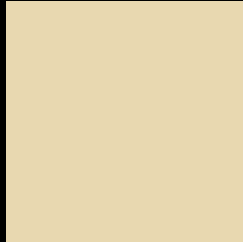
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6711, 69.4021, 51.0090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

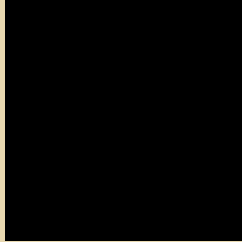
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

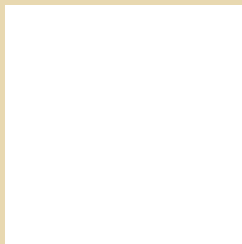
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.6711, 69.4021, 51.0090

## Background



This preview shows how black text looks on a background with the XYZ color 65.6711, 69.4021, 51.0090.



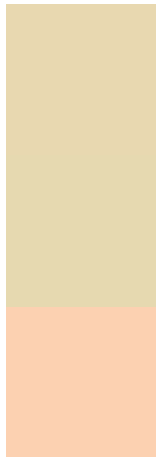
This preview shows how white text looks on a background with the XYZ color 65.6711, 69.4021,



# 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

65.6711, 69.4021, 51.0090

### Protanopia

65.2825, 69.5833, 51.0645

### Deuteranopia

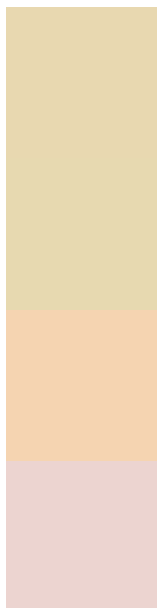
70.8812, 69.4707, 51.2683



## Tritanopia

71.7878, 69.2691, 81.5381

# Trichromacy



## Original Color

65.6711, 69.4021, 51.0090

## Protanomaly

65.6043, 69.7492, 51.0795

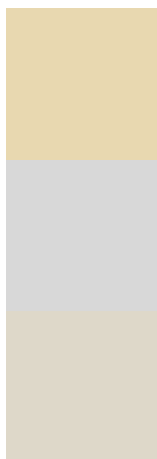
## Deuteranomaly

69.1355, 69.6738, 51.3995

## Tritanomaly

69.5207, 69.4739, 69.4202

# Monochromacy



## Original Color

65.6711, 69.4021, 51.0090

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

65.2227, 68.8584, 65.1117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6711, 69.4021, 51.0090 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(232, 216, 176)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 176)  
}
```

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(232, 216, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6711, 69.4021, 51.0090 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(232, 216, 176) }
```



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

```
.border{ border-color:rgb(232, 216, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 216, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 216, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 216, 176); box-shadow:4px 4px 4px 4px rgb(232, 216, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6711, 69.4021, 51.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 176) }
```

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

```
.background{ background-color: rgb(232,  
216, 176) }
```

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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