

# Converting Colors

XYZ(64.8366, 66.5367, 62.8541)

Have a look what the booklet for  
XYZ(64.8366, 66.5367, 62.8541)  
contains.

<b>XYZ(64.9182, 66.5013, 62.8406)</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(64.9182, 66.5013,  
62.8406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D2C6
RGB	227, 210, 198
RGB Percent	89%, 82%, 78%
CMY	0.1098, 0.1764, 0.2235
CMYK	0.00, 0.07, 0.13, 0.11
HSL	25°, 34%, 83%
HSV	25°, 13%, 89%
XYZ	64.9182, 66.5013, 62.8406
YIQ	213.7150, 13.9840, -0.1280

# Conversions

## Conversions Part 2

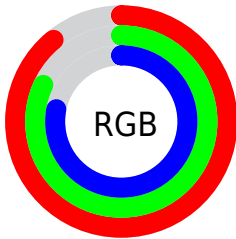
Format	Color
R <sub>Y</sub> B	227, 218, 198
Decimal	14930630
CIE Lab	85.25, 3.90, 8.06
CIE LCh	85, 8.951, 64.152
Yxy	66.5013, 0.3342, 0.3423
Android (android.graphics.Color)	4293120710 (0xFFE3D2C6)
YUV	213.7150, -7.7475, 11.6509
Hunter-Lab	81.5483, -0.6110, 11.3954

# Details

The XYZ color **64.9182, 66.5013, 62.8406** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.4541, 66.1514, 82.2032**, and the grayscale version is **63.7703, 67.0913, 73.0625**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7171, 34.4485, 31.2577** is the 20% darker color. If you saturate the color by 10%, you get **59.3450, 59.2353, 49.0186**, and if you desaturate by 10%, it is **71.1606, 74.4763, 78.8232**.

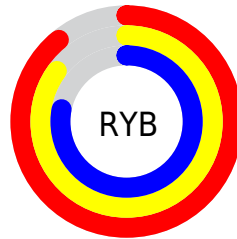
# Distribution



Red (89%)

Green (82%)

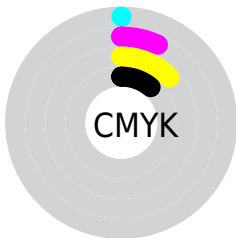
Blue (78%)



Red (89%)

Yellow (85%)

Blue (78%)

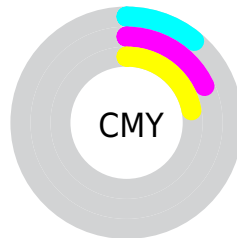


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (11%)



Cyan (11%)

Magenta (18%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9182, 66.5013, 62.8406 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 64.9182, 66.5013, 62.8406 by changing the saturation by 10% instead.



64.9182, 66.5013,  
62.8406

64.9182, 66.5013,  
62.8406

432.0478,  
448.1676, 453.0828

47.6592, 48.6795,  
45.2721

110.9986,  
114.2055, 110.5229

33.7672, 34.3653,  
31.3273

140.5507,  
144.8567, 141.4737

22.8769, 23.1744,  
20.5876

174.9313,  
180.5531, 177.7224

14.6228, 14.7223,  
12.6346

214.5056,  
221.6792, 219.6875

8.6397, 8.6247,  
7.0497

259.6391,  
268.6193, 267.7876

4.5621, 4.4972,  
3.4143

310.6970,

2.0248, 1.9554,

321.7577, 322.4411

1.3099

368.0448,  
381.4791, 384.0667

■ 0.6478, 0.5814,  
0.0698

■ 0.0000, 0.0000,  
0.0000

■ 64.9182, 66.5013,  
62.8406

■ 64.9182, 66.5013,  
62.8406

■ 59.3450, 59.2353,  
49.0186

■ 71.1606, 74.4763,  
78.8232

■ 54.4115, 52.6493,  
37.2592

■ 78.0895, 83.1708,  
97.0503

■ 50.0939, 46.7250,  
27.4630

■ 83.8885, 91.8704,  
107.9191

■ 46.3649, 41.4400,  
19.5205

■ 85.4888, 95.0710,  
108.4525

■ 43.1945, 36.7705,  
13.3116

■ 40.5500, 32.6908,  
8.7016

■ 38.3940, 29.1728,  
5.5356

■ 36.6831, 26.1852,  
3.6269

■ 35.6784, 24.3301,  
2.8157

# Harmonies

## Analogous

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



66.4807, 66.5013, 66.3342



64.9182, 66.5013, 62.8406



62.9263, 66.5013, 61.8586

# Triad

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



64.9182, 66.5013, 62.8406



59.4075, 66.5013, 73.2181



65.4160, 66.5013, 82.0222

# Complementary

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



64.9182, 66.5013, 62.8406



61.4541, 66.1514, 82.2032

# 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.



63.4895, 66.5013, 84.0948



64.9182, 66.5013, 62.8406



60.0435, 66.5013, 78.8429

# Square

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



64.9182, 66.5013, 62.8406



59.7718, 66.5013, 67.6606



61.5271, 66.5013, 82.9016



66.7724, 66.5013, 77.3738



# Rectangle

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



64.9182, 66.5013, 62.8406



61.6296, 66.5013, 62.7140



61.5271, 66.5013, 82.9016



64.8121, 66.5013, 83.0542

# Sweetspot

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



64.9200, 66.5042, 62.8420



91.5734, 95.6054, 99.8535



64.1907, 61.6469, 73.0764



19.4640, 20.2902, 21.0199



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

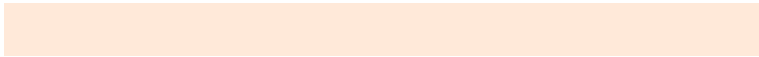


# Same Dimension

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



64.9200, 66.5042, 62.8420



82.7529, 84.2988, 77.3850



68.5549, 73.7739, 64.0536



14.8646, 15.3431, 15.0825



20.9163, 14.4068, 1.6784



1.6354, 1.2442, 0.1540

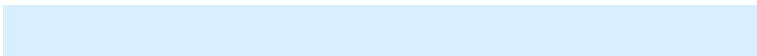


# Inverse Universe

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



61.4541, 66.1514, 82.2032



77.5064, 83.7642, 106.6908



58.0181, 59.2795, 81.0579



14.2812, 15.2838, 18.3417



13.0983, 13.2588, 44.2520

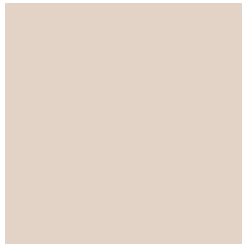


1.0590, 1.1620, 3.3004



# Previews

## White Background



This preview shows how the XYZ color 64.9182, 66.5013, 62.8406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

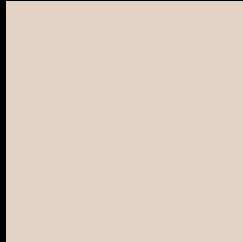
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.9182, 66.5013, 62.8406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

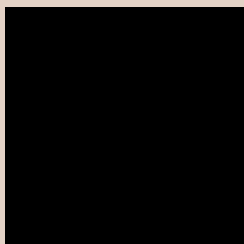
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.9182, 66.5013, 62.8406**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.9182, 66.5013, 62.8406.



This preview shows how white text looks on a background with the XYZ color 64.9182, 66.5013,



# 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

64.9182, 66.5013, 62.8406

### Protanopia

63.3675, 66.4261, 63.5145

### Deuteranopia

67.9767, 66.6169, 63.3084



## Tritanopia

68.0237, 66.2933, 79.0227

# Trichromacy



## Original Color

64.9182, 66.5013, 62.8406

## Protanomaly

64.0345, 66.4000, 63.4743

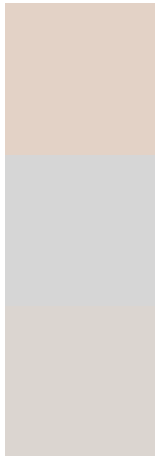
## Deuteranomaly

66.8826, 66.4113, 63.3264

## Tritanomaly

66.7635, 66.1387, 72.8656

# Monochromacy



## Original Color

64.9182, 66.5013, 62.8406

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.3928, 67.2026, 69.2520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.9182, 66.5013, 62.8406 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(227, 210, 198) looks like.

```
.text, #text, p{  
    color:rgb(227, 210, 198)  
}
```

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(227, 210, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 210, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 64.9182, 66.5013, 62.8406 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(227, 210, 198) }
```



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

```
.border{ border-color:rgb(227, 210, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 210, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 210, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 210, 198);  
box-shadow:4px 4px 4px 4px rgb(227, 210,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.9182, 66.5013, 62.8406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 210, 198) }
```

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

```
.background{ background-color: rgb(227,  
210, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor