

# Converting Colors

XYZ(65.1332, 65.7584, 82.3083)

Have a look what the booklet for  
XYZ(65.1332, 65.7584, 82.3083)  
contains.

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# Color

**XYZ(65.1230, 65.8013,  
82.6674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D1E4
RGB	216, 209, 228
RGB Percent	85%, 82%, 89%
CMY	0.1529, 0.1804, 0.1059
CMYK	0.05, 0.08, 0.00, 0.11
HSL	262°, 26%, 86%
HSV	262°, 8%, 89%
XYZ	65.1230, 65.8013, 82.6674
YIQ	213.2590, -1.9270, 7.3930

# Conversions

## Conversions Part 2

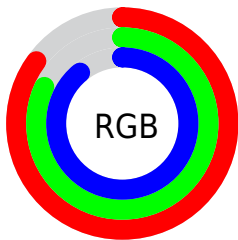
Format	Color
R <sub>Y</sub> B	216, 209, 228
Decimal	14209508
CIE Lab	84.89, 5.90, -8.50
CIE LCh	85, 10.346, 304.780
Yxy	65.8013, 0.3049, 0.3081
Android (android.graphics.Color)	4292399588 (0xFFD8D1E4)
YUV	213.2590, 7.2673, 2.4039
Hunter-Lab	81.1180, 1.3465, -3.6399

# Details

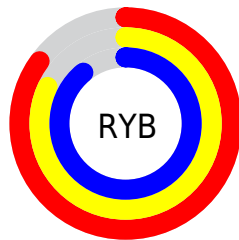
The XYZ color **65.1230, 65.8013, 82.6674** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0732, 75.4642, 71.2503**, and the grayscale version is **63.3746, 66.6750, 72.6091**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9621, 34.0369, 44.3149** is the 20% darker color. If you saturate the color by 10%, you get **55.8548, 53.3065, 80.7451**, and if you desaturate by 10%, it is **75.5686, 80.0950, 84.8768**.

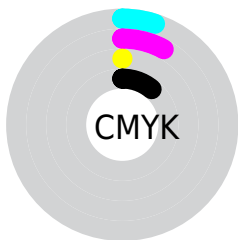
# Distribution



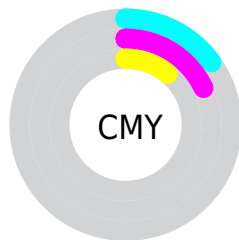
- Red (85%)
- Green (82%)
- Blue (89%)



- Red (85%)
- Yellow (82%)
- Blue (89%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (18%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1230, 65.8013, 82.6674 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 65.1230, 65.8013, 82.6674 by changing the saturation by 10% instead.



65.1230, 65.8013,  
82.6674

65.1230, 65.8013,  
82.6674

432.7721,  
445.6659, 523.8193

47.8259, 48.1111,  
61.3768

111.2914,  
113.2011, 138.9546

33.8997, 33.9149,  
44.0968

140.8934,  
143.6795, 174.7883

22.9791, 22.8282,  
30.4089

175.3278,  
179.1894, 216.3067

14.6987, 14.4667,  
19.8944

214.9598,  
220.1153, 263.9284

8.6931, 8.4460,  
12.1350

260.1549,  
266.8415, 318.0720

4.5971, 4.3816,  
6.7120

311.2784,

2.0451, 1.8892,

319.7524, 379.1560

3.2070

368.6957,  
379.2324, 447.5989

■ 0.6591, 0.5419,  
1.2013

■ 0.0000, 0.0000,  
0.0000

■ 65.1230, 65.8013,  
82.6674

■ 65.1230, 65.8013,  
82.6674

■ 55.8548, 53.3065,  
80.7451

■ 75.5686, 80.0950,  
84.8768

■ 47.7148, 42.5296,  
79.0940

■ 87.2267, 96.2476,  
87.3801

■ 40.6588, 33.3957,  
77.7029

■ 91.0038, 98.3815,  
87.5930

■ 34.6372, 25.8214,  
76.5583

■ 29.5963, 19.7151,  
75.6453

■ 25.4773, 14.9760,  
74.9477

■ 22.2138, 11.4896,  
74.4467

■ 19.7294, 9.1216,  
74.1206

■ 17.9181, 7.6807,  
73.9380

# Harmonies

## Analogous

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



62.9148, 65.8013, 85.1553



65.1230, 65.8013, 82.6674



66.6678, 65.8013, 77.2327

# Triad

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



65.1230, 65.8013, 82.6674



64.4635, 65.8013, 60.6927



58.1987, 65.8013, 72.7169

# Complementary

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



65.1230, 65.8013, 82.6674



69.0732, 75.4642, 71.2503

# 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.



58.5903, 65.8013, 66.3363



65.1230, 65.8013, 82.6674



62.1710, 65.8013, 59.6475

# Square

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



65.1230, 65.8013, 82.6674



66.2805, 65.8013, 64.5991



60.0304, 65.8013, 61.6513



58.9471, 65.8013, 79.1885



# Rectangle

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



65.1230, 65.8013, 82.6674



67.0934, 65.8013, 72.8159



60.0304, 65.8013, 61.6513



58.2015, 65.8013, 70.4896

# Sweetspot

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



65.1249, 65.8041, 82.6688



92.2692, 96.1832, 108.3098



66.1657, 70.8895, 83.5956



19.7786, 20.6272, 23.1889



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.



65.1249, 65.8041, 82.6688



81.7681, 81.8677, 106.1001



68.0031, 67.2879, 82.8035



14.0817, 14.1443, 18.1323



10.3159, 4.3839, 42.6856



0.8619, 0.3753, 3.1590



# Inverse Universe

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



67.8488, 67.3183, 77.8275



85.9722, 84.2055, 98.5955



66.2714, 74.0197, 71.1192



14.7581, 14.5204, 16.9266



21.4418, 10.7109, 16.4875

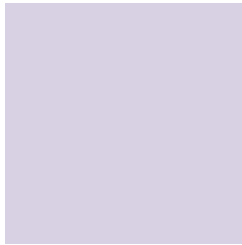


1.6289, 0.8093, 1.4522



# Previews

## White Background



This preview shows how the XYZ color 65.1230, 65.8013, 82.6674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

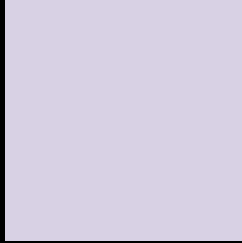
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1230, 65.8013, 82.6674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

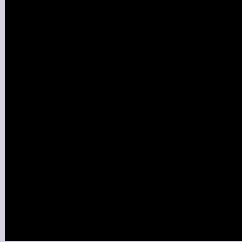
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

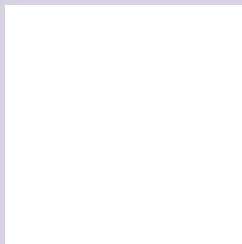
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.1230, 65.8013, 82.6674

## Background



This preview shows how black text looks on a background with the XYZ color 65.1230, 65.8013, 82.6674.



This preview shows how white text looks on a background with the XYZ color 65.1230, 65.8013,



# 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

65.1230, 65.8013, 82.6674

### Protanopia

64.3011, 66.0946, 83.4972

### Deuteranopia

67.2655, 65.8073, 83.2855



## Tritanopia

64.8468, 65.6908, 81.2133

# Trichromacy



## Original Color

65.1230, 65.8013, 82.6674

## Protanomaly

64.6300, 65.8965, 83.4417

## Deuteranomaly

66.5799, 65.8124, 83.3227

## Tritanomaly

64.9845, 65.7459, 81.9382

# Monochromacy



## Original Color

65.1230, 65.8013, 82.6674

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.9299, 66.4451, 75.7854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1230, 65.8013, 82.6674 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(216, 209, 228) looks like.

```
.text, #text, p{  
    color:rgb(216, 209, 228)  
}
```

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(216, 209, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 209, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1230, 65.8013, 82.6674 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(216, 209, 228) }
```



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

```
.border{ border-color:rgb(216, 209, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 209, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 209, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 209, 228);  
box-shadow:4px 4px 4px 4px rgb(216, 209,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1230, 65.8013, 82.6674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 209, 228) }
```

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

```
.background{ background-color: rgb(216,  
209, 228) }
```

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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