

# Converting Colors

XYZ(65.1355, 65.1946, 77.5363)

Have a look what the booklet for  
XYZ(65.1355, 65.1946, 77.5363)  
contains.

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# Color

**XYZ(65.1828, 65.2183,  
77.5595)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDCFDD
RGB	221, 207, 221
RGB Percent	87%, 81%, 87%
CMY	0.1333, 0.1882, 0.1333
CMYK	0.00, 0.06, 0.00, 0.13
HSL	300°, 17%, 84%
HSV	300°, 6%, 87%
XYZ	65.1828, 65.2183, 77.5595
YIQ	212.7820, 3.8500, 7.3220

# Conversions

## Conversions Part 2

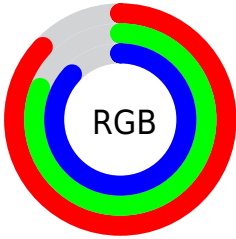
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 207, 221
Decimal	14536669
CIE Lab	84.60, 7.32, -5.17
CIE LCh	85, 8.968, 324.758
Yxy	65.2183, 0.3134, 0.3136
Android (android.graphics.Color)	4292726749 (0xFFDDCFDD)
YUV	212.7820, 4.0515, 7.2072
Hunter-Lab	80.7578, 2.7481, -0.4114

# Details

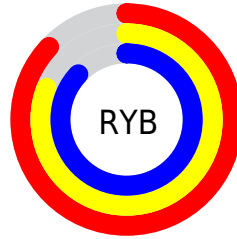
The XYZ color **65.1828, 65.2183, 77.5595** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.8536, 69.4851, 69.1342**, and the grayscale version is **63.0738, 66.3586, 72.2645**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.0001, 33.6426, 40.7781** is the 20% darker color. If you saturate the color by 10%, you get **60.1997, 55.2511, 75.8991**, and if you desaturate by 10%, it is **70.9191, 76.6899, 79.4725**.

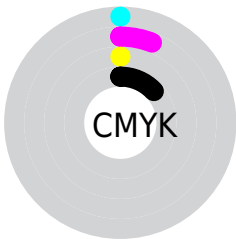
# Distribution



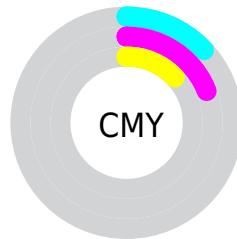
- Red (87%)
- Green (81%)
- Blue (87%)



- Red (87%)
- Yellow (81%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (13%)
- Magenta (19%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1828, 65.2183, 77.5595 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 65.1828, 65.2183, 77.5595 by changing the saturation by 10% instead.



65.1828, 65.2183,  
77.5595

65.1828, 65.2183,  
77.5595

432.9834,  
443.5760, 506.1578

47.8746, 47.6381,  
57.1979

111.3769,  
112.3636, 131.7092

33.9384, 33.5404,  
40.7537

140.9934,  
142.6976, 166.3343

23.0089, 22.5407,  
27.8085

175.4435,  
178.0516, 206.5511

14.7208, 14.2548,  
17.9435

215.0924,  
218.8100, 252.7780

8.7087, 8.2981,  
10.7404

260.3054,  
265.3573, 305.4336

4.6073, 4.2863,  
5.7806

311.4481,

2.0511, 1.8350,

318.0778, 364.9364

2.6455

368.8856,  
377.3559, 431.7049

■ 0.6624, 0.5088,  
0.9158

■ 0.0000, 0.0000,  
0.0000

■ 65.1828, 65.2183,  
77.5595

■ 65.1828, 65.2183,  
77.5595

■ 60.1997, 55.2511,  
75.8991

■ 70.9191, 76.6899,  
79.4725

■ 55.9331, 46.7181,  
74.4768

■ 77.4321, 89.7158,  
81.6437

■ 52.3519, 39.5557,  
73.2829

■ 78.6307, 92.1130,  
82.0434

■ 49.4203, 33.6926,  
72.3055

■ 78.6307, 92.1130,  
82.0435

47.0995, 29.0510,  
71.5318

78.6307, 92.1130,  
82.0437

45.3463, 25.5446,  
70.9472

78.6308, 92.1130,  
82.0438

44.1120, 23.0761,  
70.5357

78.6308, 92.1130,  
82.0440

43.3398, 21.5317,  
70.2781

78.6308, 92.1130,  
82.0441

42.9583, 20.7687,  
70.1508

78.6309, 92.1130,  
82.0443

# Harmonies

## Analogous

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



63.6128, 65.2183, 81.4918



65.1828, 65.2183, 77.5595



65.8977, 65.2183, 72.0228

# Triad

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



65.1828, 65.2183, 77.5595



62.3401, 65.2183, 60.5972



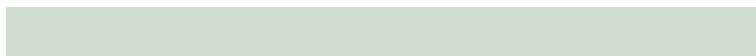
58.5604, 65.2183, 75.7255

# Complementary

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



65.1828, 65.2183, 77.5595



62.8536, 69.4851, 69.1342

# 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.



58.2361, 65.2183, 70.0100



65.1828, 65.2183, 77.5595



60.3911, 65.2183, 61.4709

# Square

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



65.1828, 65.2183, 77.5595



64.2341, 65.2183, 62.3895



58.8994, 65.2183, 64.8431



59.7950, 65.2183, 80.3937



# Rectangle

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



65.1828, 65.2183, 77.5595



65.7824, 65.2183, 68.2423



58.8994, 65.2183, 64.8431



58.3425, 65.2183, 73.8549

# Sweetspot

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



65.1847, 65.2211, 77.5609



93.4445, 96.7891, 108.3648



61.0990, 63.1149, 77.3698



20.0178, 20.7505, 23.2001



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.



65.1847, 65.2211, 77.5609



88.8839, 87.6679, 106.8445



64.2714, 64.8558, 72.7516



13.6144, 13.2749, 16.4969



24.9036, 11.9625, 40.7339



1.6134, 0.7750, 2.6390



# Inverse Universe

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



65.1847, 65.2211, 77.5609



88.8839, 87.6679, 106.8445



63.7285, 69.8351, 73.7413



13.6144, 13.2749, 16.4969



24.9036, 11.9625, 40.7339

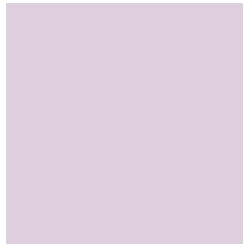


1.6134, 0.7750, 2.6390



# Previews

## White Background



This preview shows how the XYZ color 65.1828, 65.2183, 77.5595 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 65.1828, 65.2183, 77.5595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

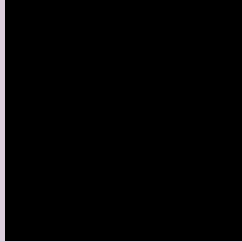
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

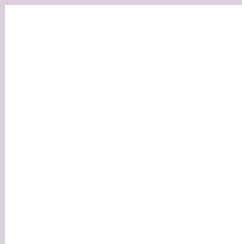
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.1828, 65.2183, 77.5595

## Background



This preview shows how black text looks on a background with the XYZ color 65.1828, 65.2183, 77.5595.



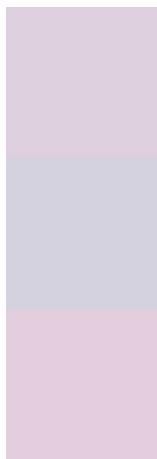
This preview shows how white text looks on a background with the XYZ color 65.1828, 65.2183,



# 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

65.1828, 65.2183, 77.5595

### Protanopia

63.5173, 65.4179, 79.0912

### Deuteranopia

66.5610, 65.2140, 77.4860



## Tritanopia

65.4509, 65.3255, 78.9715

# Trichromacy



## Original Color

65.1828, 65.2183, 77.5595

## Protanomaly

64.0096, 65.3219, 78.3420

## Deuteranomaly

66.1738, 65.3706, 77.5367

## Tritanomaly

65.3164, 65.2717, 78.2634

# Monochromacy



## Original Color

65.1828, 65.2183, 77.5595

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.0078, 66.1453, 74.3595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1828, 65.2183, 77.5595 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(221, 207, 221)` looks like.

```
.text, #text, p{  
    color:rgb(221, 207, 221)  
}
```

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(221, 207, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 207, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1828, 65.2183, 77.5595 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(221, 207, 221) }
```



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

```
.border{ border-color:rgb(221, 207, 221) }
```

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

Here you see how a box with a 4 pixel rgb(221, 207, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 207, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 207, 221);  
box-shadow:4px 4px 4px 4px rgb(221, 207,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1828, 65.2183, 77.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 207, 221) }
```

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

```
.background{ background-color: rgb(221,  
207, 221) }
```

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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