

# Converting Colors

XYZ(65.0539, 65.2075, 77.5424)

Have a look what the booklet for  
XYZ(65.0539, 65.2075, 77.5424)  
contains.

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# **Color**

**XYZ(64.8792, 65.0617,  
77.5453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCCFDD
RGB	220, 207, 221
RGB Percent	86%, 81%, 87%
CMY	0.1372, 0.1882, 0.1333
CMYK	0.00, 0.06, 0.00, 0.13
HSL	296°, 17%, 84%
HSV	296°, 6%, 87%
XYZ	64.8792, 65.0617, 77.5453
YIQ	212.4830, 3.2540, 7.1100

# Conversions

## Conversions Part 2

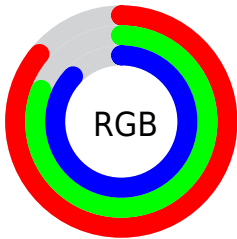
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 207, 221
Decimal	14471133
CIE Lab	84.52, 6.99, -5.30
CIE LCh	85, 8.771, 322.800
Yxy	65.0617, 0.3127, 0.3136
Android (android.graphics.Color)	4292661213 (0xFFDCCFDD)
YUV	212.4830, 4.1989, 6.5924
Hunter-Lab	80.6608, 2.4193, -0.5373

# Details

The XYZ color **64.8792, 65.0617, 77.5453** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1337, 69.6295, 69.1470**, and the grayscale version is **62.8737, 66.1480, 72.0352**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7912, 33.5350, 40.7683** is the 20% darker color. If you saturate the color by 10%, you get **59.4206, 54.8494, 75.8628**, and if you desaturate by 10%, it is **71.0955, 76.7807, 79.4806**.

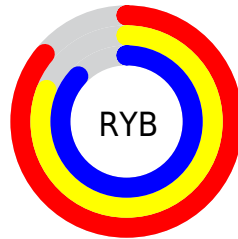
# Distribution



Red (86%)

Green (81%)

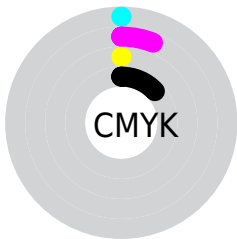
Blue (87%)



Red (86%)

Yellow (81%)

Blue (87%)

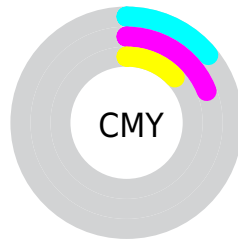


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (13%)



Cyan (14%)

Magenta (19%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8792, 65.0617, 77.5453 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 64.8792, 65.0617, 77.5453 by changing the saturation by 10% instead.



64.8792, 65.0617,  
77.5453

64.8792, 65.0617,  
77.5453

431.9098,  
443.0137, 506.1082

47.6275, 47.5111,  
57.1863

110.9428,  
112.1386, 131.6890

33.7420, 33.4399,  
40.7445

140.4855,  
142.4336, 166.3107

22.8574, 22.4636,  
27.8013

174.8558,  
177.7456, 206.5238

14.6084, 14.1980,  
17.9382

214.4191,  
218.4590, 252.7468

8.6295, 8.2585,  
10.7366

259.5408,  
264.9581, 305.3982

4.5555, 4.2608,  
5.7781

310.5863,

2.0209, 1.8205,

317.6273, 364.8965

2.6440

367.9208,  
376.8510, 431.6603

■ 0.6457, 0.4999,  
0.9151

■ 0.0000, 0.0000,  
0.0000

■ 64.8792, 65.0617,  
77.5453

■ 64.8792, 65.0617,  
77.5453

■ 59.4206, 54.8494,  
75.8628

■ 71.0955, 76.7807,  
79.4806

■ 54.6830, 46.0735,  
74.4186

■ 78.0930, 90.0564,  
81.6743

■ 50.6352, 38.6707,  
73.2030

■ 79.7808, 92.7059,  
82.0967

■ 47.2416, 32.5694,  
72.2042

■ 80.2745, 92.9604,  
82.1198

44.4632, 27.6918,  
71.4092

80.7727, 93.2172,  
82.1432

42.2568, 23.9519,  
70.8036

81.2756, 93.4765,  
82.1667

40.5738, 21.2520,  
70.3712

81.7830, 93.7380,  
82.1904

39.3574, 19.4787,  
70.0930

82.2949, 94.0020,  
82.2144

38.5360, 18.4889,  
69.9453

82.8115, 94.2683,  
82.2386

# Harmonies

## Analogous

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



63.3060, 65.0617, 81.2266



64.8792, 65.0617, 77.5453



65.6406, 65.0617, 72.1979

# Triad

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



64.8792, 65.0617, 77.5453



62.3111, 65.0617, 60.6968



58.4412, 65.0617, 75.0915

# Complementary

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



64.8792, 65.0617, 77.5453



63.1337, 69.6295, 69.1470

# 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.



58.1875, 65.0617, 69.5015



64.8792, 65.0617, 77.5453



60.3952, 65.0617, 61.3809

# Square

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



64.8792, 65.0617, 77.5453



64.1378, 65.0617, 62.6144



58.8957, 65.0617, 64.5349



59.5962, 65.0617, 79.7586



# Rectangle

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



64.8792, 65.0617, 77.5453



65.5743, 65.0617, 68.4848



58.8957, 65.0617, 64.5349



58.2486, 65.0617, 73.2509

# Sweetspot

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



64.8811, 65.0645, 77.5467



93.3106, 96.7201, 108.3586



61.3825, 63.6820, 77.4643



19.9905, 20.7364, 23.1989



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.



64.8811, 65.0645, 77.5467



88.3499, 87.3926, 106.8197



64.4208, 64.9155, 73.5389



13.5178, 13.2251, 16.4924



22.2825, 10.6112, 40.6122



1.4716, 0.7019, 2.6324

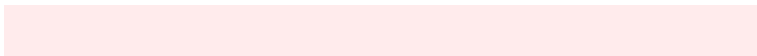


# Inverse Universe

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



63.5190, 64.5547, 68.7900



85.9826, 86.5073, 91.5662



63.5799, 69.7756, 72.9593



13.0936, 13.0665, 13.7541



17.3909, 8.9574, 1.1727

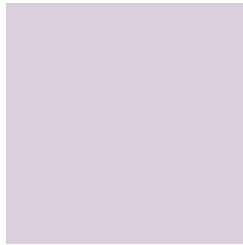


1.1402, 0.5857, 0.1471



# Previews

## White Background



This preview shows how the XYZ color 64.8792, 65.0617, 77.5453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

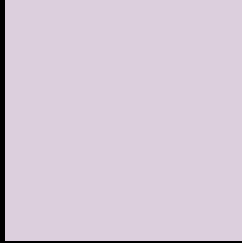
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.8792, 65.0617, 77.5453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

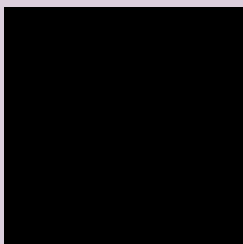
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

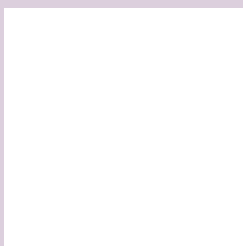
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.8792, 65.0617, 77.5453**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8792, 65.0617, 77.5453.



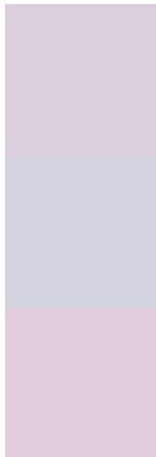
This preview shows how white text looks on a background with the XYZ color 64.8792, 65.0617,



# 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

64.8792, 65.0617, 77.5453

### Protanopia

63.2298, 65.2698, 79.0778

### Deuteranopia

66.5610, 65.2140, 77.4860



## Tritanopia

65.1473, 65.1690, 78.9573

# Trichromacy



## Original Color

64.8792, 65.0617, 77.5453

## Protanomaly

63.7168, 65.1710, 78.3283

## Deuteranomaly

65.8629, 65.2104, 77.5221

## Tritanomaly

65.0128, 65.1152, 78.2492

# Monochromacy



## Original Color

64.8792, 65.0617, 77.5453

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.3367, 65.4466, 73.5842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8792, 65.0617, 77.5453 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(220, 207, 221) looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 207, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 207, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8792, 65.0617, 77.5453 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(220, 207, 221) }
```



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

```
.border{ border-color:rgb(220, 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(220, 207, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 207, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 207, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 207,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8792, 65.0617, 77.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 207, 221) }
```

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

```
.background{ background-color: rgb(220,  
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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