

# Converting Colors

XYZ(67.0103, 65.2948, 81.2539)

Have a look what the booklet for  
XYZ(67.0103, 65.2948, 81.2539)  
contains.

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# Color

**XYZ(66.9228, 65.3224,  
81.0328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CDE2
RGB	226, 205, 226
RGB Percent	89%, 80%, 89%
CMY	0.1137, 0.1961, 0.1137
CMYK	0.00, 0.09, 0.00, 0.11
HSL	300°, 27%, 85%
HSV	300°, 9%, 89%
XYZ	66.9228, 65.3224, 81.0328
YIQ	213.6730, 5.7750, 10.9830

# Conversions

## Conversions Part 2

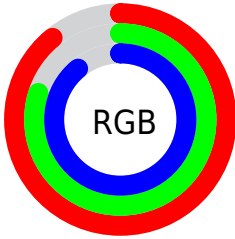
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 205, 226
Decimal	14863842
CIE Lab	84.65, 10.98, -7.71
CIE LCh	85, 13.419, 324.931
Yxy	65.3224, 0.3138, 0.3063
Android (android.graphics.Color)	4293053922 (0xFFE2CDE2)
YUV	213.6730, 6.0772, 10.8108
Hunter-Lab	80.8223, 6.3633, -2.8688

# Details

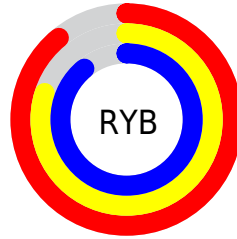
The XYZ color **66.9228, 65.3224, 81.0328** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.3951, 71.7814, 68.2749**, and the grayscale version is **63.6562, 66.9712, 72.9317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2119, 33.7314, 43.1830** is the 20% darker color. If you saturate the color by 10%, you get **61.9032, 55.2821, 79.3604**, and if you desaturate by 10%, it is **72.7271, 76.9300, 82.9683**.

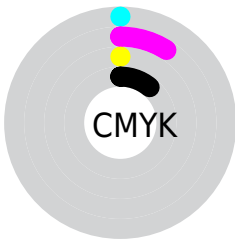
# Distribution



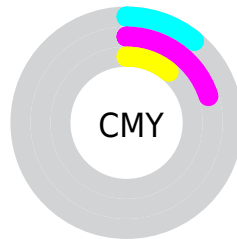
- Red (89%)
- Green (80%)
- Blue (89%)



- Red (89%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (11%)
- Magenta (20%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9228, 65.3224, 81.0328 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 66.9228, 65.3224, 81.0328 by changing the saturation by 10% instead.



66.9228, 65.3224,  
81.0328

66.9228, 65.3224,  
81.0328

439.1067,  
443.9496, 518.2049

49.2924, 47.7226,  
60.0375

113.8602,  
112.5132, 136.6413

35.0669, 33.6072,  
43.0233

143.8979,  
142.8730, 172.0916

23.8812, 22.5920,  
29.5719

178.8020,  
178.2549, 213.1972

15.3698, 14.2926,  
19.2646

218.9379,  
219.0433, 260.3767

9.1673, 8.3244,  
11.6829

264.6710,  
265.6225, 314.0487

4.9085, 4.3032,  
6.4082

316.3666,

2.2279, 1.8446,

318.3771, 374.6317

3.0221

374.3900,  
377.6913, 442.5443

■ 0.7574, 0.5147,  
1.1059

■ 0.0000, 0.0000,  
0.0000

■ 66.9228, 65.3224,  
81.0328

■ 66.9228, 65.3224,  
81.0328

■ 61.9032, 55.2821,  
79.3604

■ 72.7271, 76.9300,  
82.9683

■ 57.6291, 46.7341,  
77.9357

■ 79.3417, 90.1591,  
85.1732

■ 54.0669, 39.6097,  
76.7483

■ 80.8521, 93.1800,  
85.6767

■ 51.1778, 33.8315,  
75.7853

■ 80.8521, 93.1801,  
85.6767

48.9196, 29.3151,  
75.0325

80.8522, 93.1801,  
85.6767

47.2451, 25.9662,  
74.4744

80.8522, 93.1801,  
85.6767

46.1008, 23.6774,  
74.0929

80.8522, 93.1801,  
85.6767

45.4229, 22.3217,  
73.8670

80.8522, 93.1801,  
85.6767

45.1094, 21.6948,  
73.7625

80.8522, 93.1801,  
85.6767

# Harmonies

## Analogous

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



64.5473, 65.3224, 87.1613



66.9228, 65.3224, 81.0328



68.0044, 65.3224, 72.5929

# Triad

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



66.9228, 65.3224, 81.0328



62.5974, 65.3224, 55.9229



57.0077, 65.3224, 78.3094

# Complementary

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



66.9228, 65.3224, 81.0328



63.3951, 71.7814, 68.2749

# 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.



56.5232, 65.3224, 69.6770



66.9228, 65.3224, 81.0328



59.6900, 65.3224, 57.1871

# Square

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



66.9228, 65.3224, 81.0328



65.4564, 65.3224, 58.4570



57.4899, 65.3224, 62.0596



58.8352, 65.3224, 85.5024



# Rectangle

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



66.9228, 65.3224, 81.0328



67.8219, 65.3224, 66.9578



57.4899, 65.3224, 62.0596



56.6849, 65.3224, 75.4616

# Sweetspot

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



66.9247, 65.3252, 81.0342



92.6579, 95.2158, 108.1026



60.8224, 62.3038, 80.7726



19.6993, 20.1134, 23.0940



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.



66.9247, 65.3252, 81.0342



86.7454, 83.3908, 106.1318



65.5728, 64.7844, 73.9149



14.2951, 13.9357, 17.3241



25.7247, 12.3569, 42.0776



1.7831, 0.8565, 2.9166

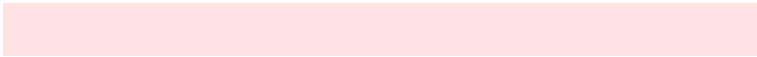


# Inverse Universe

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



64.2171, 64.2422, 66.7764



82.5536, 81.7141, 84.0583



64.6605, 72.2875, 74.9383



13.7073, 13.7006, 14.2288



17.8932, 9.2243, 0.8374

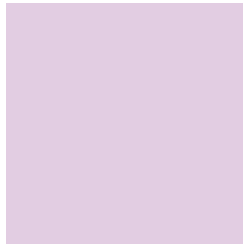


1.2403, 0.6394, 0.0580



# Previews

## White Background



This preview shows how the XYZ color 66.9228, 65.3224, 81.0328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

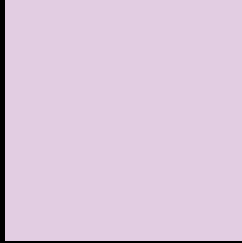
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9228, 65.3224, 81.0328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

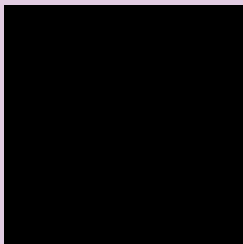
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.9228, 65.3224, 81.0328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.9228, 65.3224, 81.0328.



This preview shows how white text looks on a background with the XYZ color 66.9228, 65.3224,



# 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

66.9228, 65.3224, 81.0328

### Protanopia

63.7678, 65.4520, 83.4013

### Deuteranopia

66.6101, 65.1612, 81.0181



## Tritanopia

66.3075, 65.4241, 78.2406

# Trichromacy



## Original Color

66.9228, 65.3224, 81.0328

## Protanomaly

64.8784, 65.3121, 82.5858

## Deuteranomaly

66.6101, 65.1612, 81.0181

## Tritanomaly

66.4419, 65.4779, 78.9487

# Monochromacy



## Original Color

66.9228, 65.3224, 81.0328

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.8626, 66.5559, 75.7576

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9228, 65.3224, 81.0328 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(226, 205, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 205, 226)  
}
```

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(226, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 205, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9228, 65.3224, 81.0328 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".

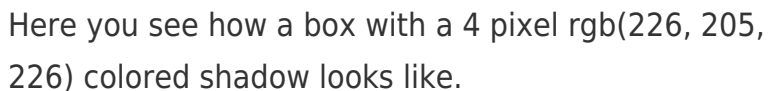
```
.border, #border, table{ border:4px solid rgb(226, 205, 226) }
```



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

```
.border{ border-color:rgb(226, 205, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 205, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 205, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 205, 226); box-shadow:4px 4px 4px 4px rgb(226, 205, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9228, 65.3224, 81.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 205, 226) }
```

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

```
.background{ background-color: rgb(226,  
205, 226) }
```

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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