

# Converting Colors

XYZ(64.9984, 63.9014, 82.0655)

Have a look what the booklet for  
XYZ(64.9984, 63.9014, 82.0655)  
contains.

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# Color

**XYZ(65.1117, 64.0028,  
82.3208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCCCE4
RGB	220, 204, 228
RGB Percent	86%, 80%, 89%
CMY	0.1372, 0.2000, 0.1059
CMYK	0.04, 0.11, 0.00, 0.11
HSL	280°, 31%, 85%
HSV	280°, 11%, 89%
XYZ	65.1117, 64.0028, 82.3208
YIQ	211.5200, 1.8320, 10.8560

# Conversions

## Conversions Part 2

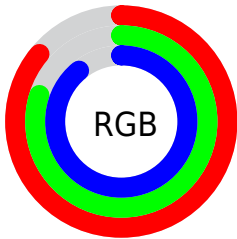
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 204, 228
Decimal	14470372
CIE Lab	83.97, 9.87, -9.84
CIE LCh	84, 13.942, 315.096
Yxy	64.0028, 0.3080, 0.3027
Android (android.graphics.Color)	4292660452 (0xFFDCCCE4)
YUV	211.5200, 8.1246, 7.4370
Hunter-Lab	80.0017, 5.2742, -5.0074

# Details

The XYZ color **65.1117, 64.0028, 82.3208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7961, 73.8451, 67.9156**, and the grayscale version is **62.2095, 65.4492, 71.2742**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9662, 32.8292, 44.0816** is the 20% darker color. If you saturate the color by 10%, you get **57.8365, 52.7894, 80.5408**, and if you desaturate by 10%, it is **73.2885, 76.8622, 84.3729**.

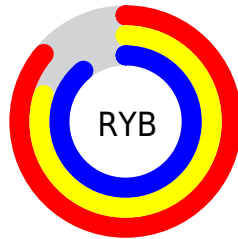
# Distribution



Red (86%)

Green (80%)

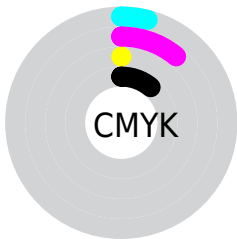
Blue (89%)



Red (86%)

Yellow (80%)

Blue (89%)

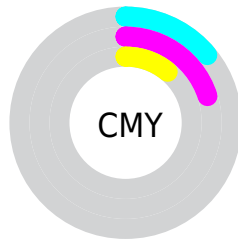


Cyan (4%)

Magenta (11%)

Yellow (0%)

Black (11%)



Cyan (14%)

Magenta (20%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1117, 64.0028, 82.3208 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 65.1117, 64.0028, 82.3208 by changing the saturation by 10% instead.



65.1117, 64.0028,  
82.3208

65.1117, 64.0028,  
82.3208

432.7321,  
439.1998, 522.6317

47.8167, 46.6529,  
61.0926

111.2752,  
110.6150, 138.4645

33.8924, 32.7614,  
43.8689

140.8745,  
140.6461, 174.2171

22.9734, 21.9437,  
30.2310

175.3059,  
175.6730, 215.6483

14.6945, 13.8155,  
19.7605

214.9347,  
216.0803, 263.1766

8.6902, 7.9925,  
12.0387

260.1264,  
262.2522, 317.2206

4.5951, 4.0901,  
6.6472

311.2463,

2.0440, 1.7241,

314.5731, 378.1987

3.1674

368.6598,  
373.4275, 446.5296

■ 0.6585, 0.4392,  
1.1807

■ 0.0000, 0.0000,  
0.0000

■ 65.1117, 64.0028,  
82.3208

■ 65.1117, 64.0028,  
82.3208

■ 57.8365, 52.7894,  
80.5408

■ 73.2885, 76.8622,  
84.3729

■ 51.4216, 43.1443,  
79.0172

■ 82.3949, 91.4244,  
86.7037

■ 45.8307, 34.9960,  
77.7391

■ 86.6583, 96.1413,  
87.3895

■ 41.0223, 28.2638,  
76.6931

■ 89.3333, 97.5203,  
87.5147

■ 36.9513, 22.8595,  
75.8645

■ 91.0038, 98.3815,  
87.5929

■ 33.5674, 18.6846,  
75.2370

■ 30.8131, 15.6265,  
74.7919

■ 28.6202, 13.5513,  
74.5070

■ 26.9516, 12.2764,  
74.3488

# Harmonies

## Analogous

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



62.3836, 64.0028, 87.3241



65.1117, 64.0028, 82.3208



66.7193, 64.0028, 74.1289

# Triad

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



65.1117, 64.0028, 82.3208



62.3642, 64.0028, 54.5901



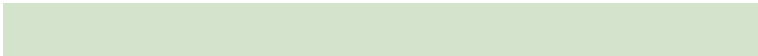
55.3079, 64.0028, 74.1859

# Complementary

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



65.1117, 64.0028, 82.3208



65.7961, 73.8451, 67.9156

# 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.



55.3031, 64.0028, 65.4285



65.1117, 64.0028, 82.3208



59.3078, 64.0028, 54.6025

# Square

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



65.1117, 64.0028, 82.3208



65.0971, 64.0028, 58.3833



56.7455, 64.0028, 58.4189



56.7588, 64.0028, 82.3656



# Rectangle

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



65.1117, 64.0028, 82.3208



66.9059, 64.0028, 68.1968



56.7455, 64.0028, 58.4189



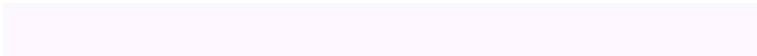
55.1387, 64.0028, 71.2011

# Sweetspot

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



65.1136, 64.0055, 82.3222



91.7259, 94.7353, 108.0590



62.5515, 65.7286, 82.7898



19.4469, 19.9833, 23.0822



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.



65.1136, 64.0055, 82.3222



81.4220, 78.6069, 105.4890



67.0985, 65.0859, 79.8335



14.5039, 14.3620, 18.1520



15.6933, 7.1561, 42.9373



1.2572, 0.5791, 3.1775



# Inverse Universe

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



65.4736, 64.4360, 71.2768



82.0153, 79.3004, 88.0005



63.9835, 72.8602, 70.1108



14.5742, 14.4469, 15.9580



19.2776, 9.8453, 5.0910



1.4664, 0.7443, 0.5967



# Previews

## White Background



This preview shows how the XYZ color 65.1117, 64.0028, 82.3208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

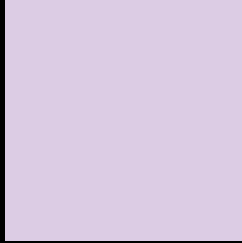
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1117, 64.0028, 82.3208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

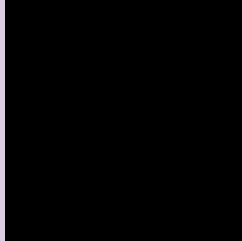
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.1117, 64.0028, 82.3208

## Background



This preview shows how black text looks on a background with the XYZ color 65.1117, 64.0028, 82.3208.



This preview shows how white text looks on a background with the XYZ color 65.1117, 64.0028,



# 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

65.1117, 64.0028, 82.3208

### Protanopia

62.5709, 64.0903, 83.9357

### Deuteranopia

65.4153, 64.1593, 82.3350



## Tritanopia

64.0959, 63.9432, 77.3707

# Trichromacy



## Original Color

65.1117, 64.0028, 82.3208

## Protanomaly

63.6071, 64.2798, 83.1835

## Deuteranomaly

65.4153, 64.1593, 82.3350

## Tritanomaly

64.4993, 64.1045, 79.4949

# Monochromacy



## Original Color

65.1117, 64.0028, 82.3208

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.4797, 65.1100, 75.5514

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1117, 64.0028, 82.3208 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, 204, 228)` looks like.

```
.text, #text, p{  
    color:rgb(220, 204, 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(220, 204, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 204, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1117, 64.0028, 82.3208 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, 204, 228) }
```



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

```
.border{ border-color:rgb(220, 204, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 204, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 204, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 204, 228);  
box-shadow:4px 4px 4px 4px rgb(220, 204,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1117, 64.0028, 82.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 204, 228) }
```

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

```
.background{ background-color: rgb(220,  
204, 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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