

Converting Colors

XYZ(64.7524, 67.0508, 82.4123)

Have a look what the booklet for
XYZ(64.7524, 67.0508, 82.4123)
contains.

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Color

**XYZ(64.8108, 67.1316,
82.2148)**

Conversions

Conversions Part 1

Format	Color
Hex	D4D5E3
RGB	212, 213, 227
RGB Percent	83%, 84%, 89%
CMY	0.1686, 0.1647, 0.1098
CMYK	0.07, 0.06, 0.00, 0.11
HSL	236°, 21%, 86%
HSV	236°, 7%, 89%
XYZ	64.8108, 67.1316, 82.2148
YIQ	214.2970, -5.0900, 4.1420

Conversions

Conversions Part 2

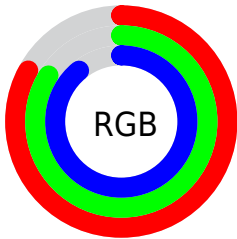
Format	Color
R _Y B	212, 213, 227
Decimal	13948387
CIE Lab	85.57, 2.28, -7.00
CIE LCh	86, 7.363, 288.078
Yxy	67.1316, 0.3026, 0.3135
Android (android.graphics.Color)	4292138467 (0xFFD4D5E3)
YUV	214.2970, 6.2626, -2.0145
Hunter-Lab	81.9339, -2.1884, -2.1396

Details

The XYZ color **64.8108, 67.1316, 82.2148** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7588, 75.4766, 73.1277**, and the grayscale version is **64.0798, 67.4169, 73.4170**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5779, 34.6004, 43.9385** is the 20% darker color. If you saturate the color by 10%, you get **53.7373, 54.0250, 80.2696**, and if you desaturate by 10%, it is **77.5042, 82.1099, 84.4379**.

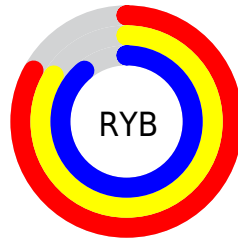
Distribution



Red (83%)

Green (84%)

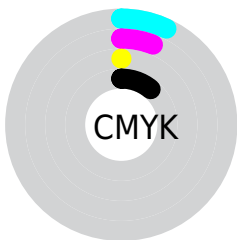
Blue (89%)



Red (83%)

Yellow (84%)

Blue (89%)

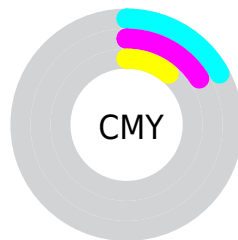


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (11%)



Cyan (17%)

Magenta (16%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8108, 67.1316, 82.2148 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 64.8108, 67.1316, 82.2148 by changing the saturation by 10% instead.

■ 64.8108, 67.1316,
82.2148

■ 64.8108, 67.1316,
82.2148

431.6677,
450.4131, 522.2682

■ 47.5718, 49.1916,
61.0058

110.8450,
115.1090, 138.3146

■ 33.6978, 34.7715,
43.7992

140.3710,
145.9151, 174.0424

■ 22.8233, 23.4869,
30.1767

174.7233,
181.7787, 215.4469

■ 14.5831, 14.9534,
19.7195

214.2673,
223.0842, 262.9465

■ 8.6117, 8.7867,
12.0093

259.3684,
270.2160, 316.9600

■ 4.5439, 4.6023,
6.6274

310.3919,

■ 2.0142, 2.0159,

323.5585, 377.9057

3.1553

367.7033,
383.4960, 446.2023

■ 0.6419, 0.6167,
1.1745

■ 0.0000, 0.0000,
0.0000

■ 64.8108, 67.1316,
82.2148

■ 64.8108, 67.1316,
82.2148

■ 53.7373, 54.0250,
80.2696

■ 77.5042, 82.1099,
84.4379

■ 44.2127, 42.7084,
78.5873

■ 90.8653, 98.3261,
86.8638

■ 36.1698, 33.1066,
77.1579

■ 29.5339, 25.1360,
75.9692

■ 24.2240, 18.7056,
75.0078

■ 20.1507, 13.7159,
74.2594

■ 17.2136, 10.0553,
73.7076

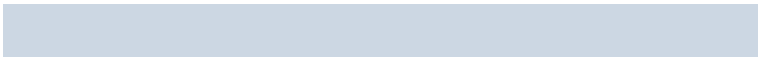
■ 15.2964, 7.5960,
73.3340

■ 14.2556, 6.1836,
73.1162

Harmonies

Analogous

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



63.1438, 67.1316, 82.4923



64.8108, 67.1316, 82.2148



66.2321, 67.1316, 79.4297

Triad

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



64.8108, 67.1316, 82.2148



65.9818, 67.1316, 66.4471



60.7082, 67.1316, 71.2067

Complementary

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



64.8108, 67.1316, 82.2148



70.7588, 75.4766, 73.1277

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.



61.4410, 67.1316, 67.1062



64.8108, 67.1316, 82.2148



64.4739, 67.1316, 64.4398

Square

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



64.8108, 67.1316, 82.2148



66.9162, 67.1316, 70.2710



62.8128, 67.1316, 64.6757



60.7948, 67.1316, 75.9935

Rectangle

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



64.8108, 67.1316, 82.2148



66.8400, 67.1316, 76.5915



62.8128, 67.1316, 64.6757



60.8663, 67.1316, 69.7064

Sweetspot

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



64.8128, 67.1344, 82.2163



91.6991, 96.0466, 108.3135



68.3148, 74.4136, 82.5355



19.6625, 20.5993, 23.1897



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.



64.8128, 67.1344, 82.2163



82.1641, 84.7843, 106.6422



66.3981, 67.5784, 82.2184



13.6598, 14.0410, 18.1346



8.2169, 3.4958, 42.6249



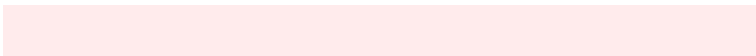
0.6346, 0.3130, 3.1589

Inverse Universe

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



67.2338, 68.2234, 72.5789



85.9690, 86.5019, 91.4950



69.0966, 75.0257, 73.1283



14.4159, 14.3835, 15.1245



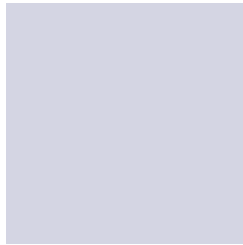
18.5410, 9.5506, 1.2120



1.3839, 0.7113, 0.1623

Previews

White Background



This preview shows how the XYZ color 64.8108, 67.1316, 82.2148 looks on a white background.

Color Contrast Check

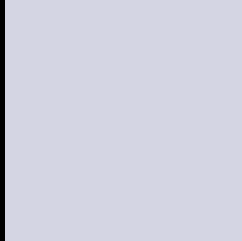
Large Text (above 18pt) WCAG AA × Fail

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 64.8108, 67.1316, 82.2148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

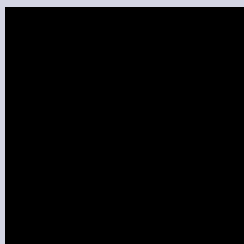
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

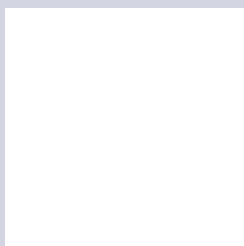
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8108, 67.1316, 82.2148

Background



This preview shows how black text looks on a background with the XYZ color 64.8108, 67.1316, 82.2148.

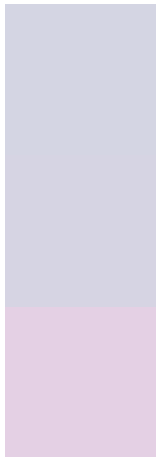


This preview shows how white text looks on a background with the XYZ color 64.8108, 67.1316,

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

64.8108, 67.1316, 82.2148

Protanopia

65.1402, 66.9292, 82.1584

Deuteranopia

68.5544, 67.2072, 82.7579



Tritanopia

65.0885, 67.2427, 83.6773

Trichromacy



Original Color

64.8108, 67.1316, 82.2148

Protanomaly

64.8492, 66.7792, 82.1448

Deuteranomaly

67.1744, 67.2242, 82.8339

Tritanomaly

64.9492, 67.1870, 82.9440

Monochromacy



Original Color

64.8108, 67.1316, 82.2148

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.2733, 67.3537, 76.6308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8108, 67.1316, 82.2148 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(212, 213, 227) looks like.

```
.text, #text, p{  
    color:rgb(212, 213, 227)  
}
```

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(212, 213, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 213, 227) }
```

Border

The CSS property to change the border of an element to XYZ 64.8108, 67.1316, 82.2148 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(212, 213, 227) }
```


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

```
.border{ border-color:rgb(212, 213, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 213, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 213, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 213, 227);  
box-shadow:4px 4px 4px 4px rgb(212, 213,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8108, 67.1316, 82.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 213, 227) }
```

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

```
.background{ background-color: rgb(212,  
213, 227) }
```

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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