

Converting Colors

XYZ(63.8570, 68.5054, 81.0220)

Have a look what the booklet for
XYZ(63.8570, 68.5054, 81.0220)
contains.

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Color

**XYZ(63.8388, 68.5582,
81.1025)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDAE1
RGB	205, 218, 225
RGB Percent	80%, 85%, 88%
CMY	0.1961, 0.1451, 0.1176
CMYK	0.09, 0.03, 0.00, 0.12
HSL	201°, 25%, 84%
HSV	201°, 9%, 88%
XYZ	63.8388, 68.5582, 81.1025
YIQ	214.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

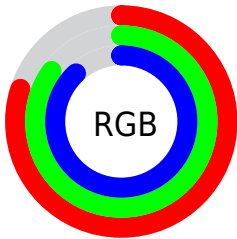
Format	Color
R _Y B	205, 213, 225
Decimal	13490913
CIE Lab	86.28, -3.01, -4.94
CIE LCh	86, 5.785, 238.695
Yxy	68.5582, 0.2990, 0.3211
Android (android.graphics.Color)	4291680993 (0xFFCDDAE1)
YUV	214.9110, 4.9739, -8.6919
Hunter-Lab	82.7999, -7.2761, -0.1147

Details

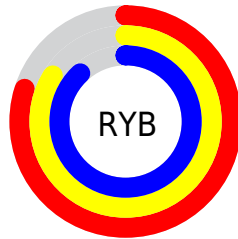
The XYZ color **63.8388, 68.5582, 81.1025** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6144, 67.5016, 67.3295**, and the grayscale version is **64.5050, 67.8643, 73.9042**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1154, 35.6760, 43.1710** is the 20% darker color. If you saturate the color by 10%, you get **56.0805, 61.6019, 80.1698**, and if you desaturate by 10%, it is **72.5905, 76.1743, 82.1123**.

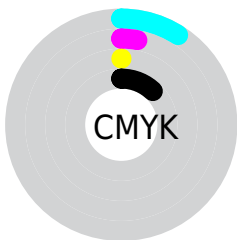
Distribution



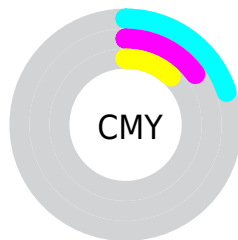
- Red (80%)
- Green (85%)
- Blue (88%)



- Red (80%)
- Yellow (84%)
- Blue (88%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8388, 68.5582, 81.1025 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 63.8388, 68.5582, 81.1025 by changing the saturation by 10% instead.

■ 63.8388, 68.5582,
81.1025

■ 63.8388, 68.5582,
81.1025

428.2187,
455.4712, 518.4450

■ 46.7813, 50.3520,
60.0945

109.4538,
117.1503, 136.7400

■ 33.0700, 35.6932,
43.0690

138.7420,
148.3050, 172.2067

■ 22.3396, 24.1973,
29.6075

172.8378,
184.5447, 213.3300

■ 14.2246, 15.4801,
19.2913

212.1066,
226.2537, 260.5285

■ 8.3598, 9.1570,
11.7020

256.9138,
273.8165, 314.2207

■ 4.3798, 4.8437,
6.4211

307.6246,

■ 1.9191, 2.1559,

327.6174, 374.8251

3.0299

364.6045,
388.0408, 442.7604

■ 0.5879, 0.6958,
1.1099

■ 0.0000, 0.0000,
0.0000

■ 63.8388, 68.5582,
81.1025

■ 63.8388, 68.5582,
81.1025

■ 56.0805, 61.6019,
80.1698

■ 72.5905, 76.1743,
82.1123

■ 49.2705, 55.2745,
79.3074

■ 82.3667, 84.4625,
83.1969

■ 43.3688, 49.5553,
78.5145

■ 86.4694, 89.9736,
84.0444

■ 38.3300, 44.4188,
77.7887

■ 88.8580, 94.7506,
84.8406

■ 34.1046, 39.8374,
77.1271

■ 90.5908, 98.2163,
85.4182

■ 30.6377, 35.7806,
76.5267

■ 27.8670, 32.2141,
75.9844

■ 25.7191, 29.0977,
75.4961

■ 24.0815, 26.3713,
75.0561

Harmonies

Analogous

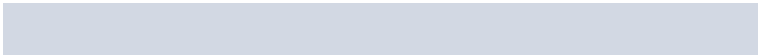
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9383, 68.5582, 78.2314



63.8388, 68.5582, 81.1025



65.1041, 68.5582, 82.2360

Triad

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



63.8388, 68.5582, 81.1025



67.7607, 68.5582, 74.8156



63.9386, 68.5582, 68.3879

Complementary

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



63.8388, 68.5582, 81.1025



65.6144, 67.5016, 67.3295

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.



65.2209, 68.5582, 67.5422



63.8388, 68.5582, 81.1025



67.4386, 68.5582, 71.1762

Square

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



63.8388, 68.5582, 81.1025



67.3788, 68.5582, 78.5306



66.5044, 68.5582, 68.5458



62.9953, 68.5582, 70.8959

Rectangle

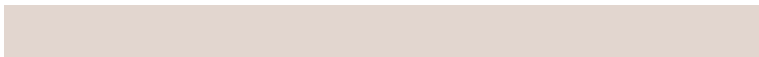
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.8388, 68.5582, 81.1025



65.9882, 68.5582, 81.8253



66.5044, 68.5582, 68.5458



64.3438, 68.5582, 67.9036

Sweetspot

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



63.8408, 68.5611, 81.1040



91.4435, 96.8822, 108.4883



63.9447, 71.5673, 72.5118



19.3708, 20.5614, 23.1977



0.0000, 0.0000, 0.0000



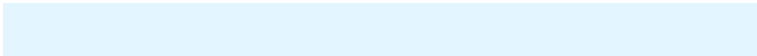
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8408, 68.5611, 81.1040



82.4219, 88.9610, 107.4348



61.4057, 63.6909, 80.2923



13.6920, 14.7231, 17.5079



13.8939, 15.2573, 43.2610



1.0460, 1.2235, 3.0263

Inverse Universe

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



65.5390, 64.7334, 75.3736



85.2055, 82.7748, 98.0226



68.1046, 72.4821, 68.1596



14.0807, 13.8499, 16.1954



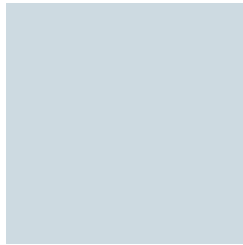
20.9532, 10.4483, 16.9511



1.4942, 0.7410, 1.3955

Previews

White Background



This preview shows how the XYZ color 63.8388, 68.5582, 81.1025 looks on a white background.

Color Contrast Check

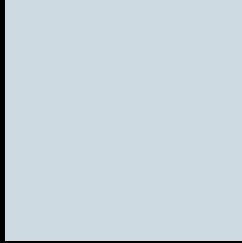
Large Text (above 18pt) WCAG AA × Fail

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 63.8388, 68.5582, 81.1025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

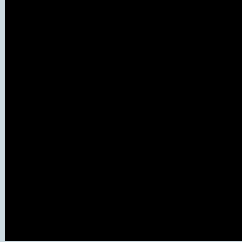
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

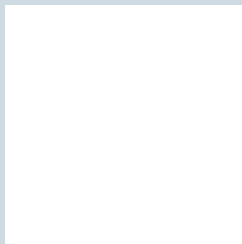
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8388, 68.5582, 81.1025

Background



This preview shows how black text looks on a background with the XYZ color 63.8388, 68.5582, 81.1025.

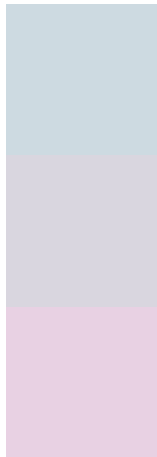


This preview shows how white text looks on a background with the XYZ color 63.8388, 68.5582,

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

63.8388, 68.5582, 81.1025

Protanopia

65.9811, 68.1726, 79.4931

Deuteranopia

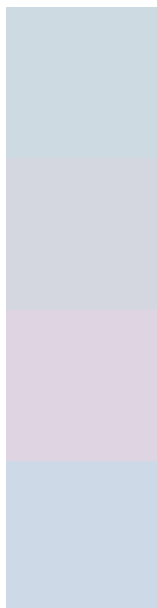
69.9443, 68.3028, 82.1703



Tritanopia

65.1177, 68.6880, 87.6679

Trichromacy



Original Color

63.8388, 68.5582, 81.1025

Protanomaly

65.1956, 68.1288, 80.2350

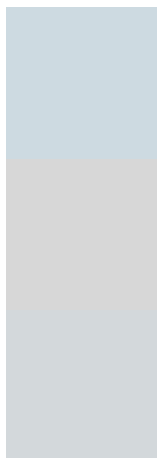
Deuteranomaly

67.3952, 68.1075, 81.5455

Tritanomaly

64.6903, 68.5170, 85.4169

Monochromacy



Original Color

63.8388, 68.5582, 81.1025

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2060, 68.0751, 76.7736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8388, 68.5582, 81.1025 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(205, 218, 225) looks like.

```
.text, #text, p{  
    color:rgb(205, 218, 225)  
}
```

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(205, 218, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 218, 225) }
```

Border

The CSS property to change the border of an element to XYZ 63.8388, 68.5582, 81.1025 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(205, 218, 225) }
```


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

```
.border{ border-color:rgb(205, 218, 225) }
```

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

Here you see how a box with a 4 pixel rgb(205, 218, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 218, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 218, 225);  
box-shadow:4px 4px 4px 4px rgb(205, 218,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8388, 68.5582, 81.1025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 218, 225) }
```

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

```
.background{ background-color: rgb(205,  
218, 225) }
```

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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