

Converting Colors

XYZ(63.7547, 67.9871, 86.9433)

Have a look what the booklet for
XYZ(63.7547, 67.9871, 86.9433)
contains.

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Color

**XYZ(63.8780, 68.0655,
86.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	CAD9E9
RGB	202, 217, 233
RGB Percent	79%, 85%, 91%
CMY	0.2078, 0.1490, 0.0863
CMYK	0.13, 0.07, 0.00, 0.09
HSL	211°, 41%, 85%
HSV	211°, 13%, 91%
XYZ	63.8780, 68.0655, 86.8620
YIQ	214.3390, -14.0760, 1.7960

Conversions

Conversions Part 2

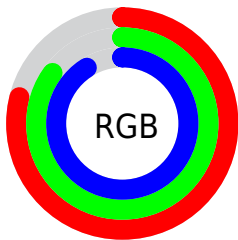
Format	Color
R _Y B	202, 212, 233
Decimal	13294057
CIE Lab	86.04, -1.86, -9.56
CIE LCh	86, 9.739, 259.005
Yxy	68.0655, 0.2919, 0.3111
Android (android.graphics.Color)	4291484137 (0xFFCAD9E9)
YUV	214.3390, 9.1999, -10.8213
Hunter-Lab	82.5018, -6.1725, -4.6722

Details

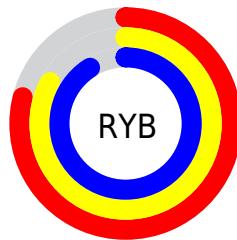
The XYZ color **63.8780, 68.0655, 86.8620** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.3368, 71.7305, 66.0694**, and the grayscale version is **64.0932, 67.4311, 73.4324**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0689, 35.3109, 46.6677** is the 20% darker color. If you saturate the color by 10%, you get **55.0566, 59.0851, 85.5946**, and if you desaturate by 10%, it is **73.8811, 77.9938, 88.2522**.

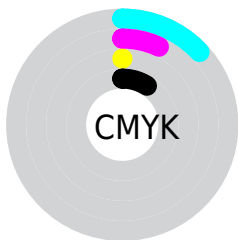
Distribution



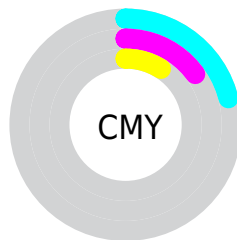
- Red (79%)
- Green (85%)
- Blue (91%)



- Red (79%)
- Yellow (83%)
- Blue (91%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8780, 68.0655, 86.8620 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 63.8780, 68.0655, 86.8620 by changing the saturation by 10% instead.

■ 63.8780, 68.0655,
86.8620

■ 63.8780, 68.0655,
86.8620

428.3581,
453.7280, 538.0737

■ 46.8132, 49.9510,
64.8220

109.5099,
116.4458, 144.8689

■ 33.0953, 35.3745,
46.8664

138.8078,
147.4805, 181.6730

■ 22.3591, 23.9515,
32.5764

172.9140,
183.5907, 224.2355

■ 14.2390, 15.2976,
21.5337

212.1939,
225.1607, 272.9750

■ 8.3699, 9.0285,
13.3197

257.0129,
272.5751, 328.3101

■ 4.3863, 4.7598,
7.5157

307.7364,

■ 1.9229, 2.1070,

326.2182, 390.6592

3.7034

364.7297,
386.4744, 460.4409

■ 0.5901, 0.6686,
1.4641

■ 0.0000, 0.0000,
0.1909

■ 63.8780, 68.0655,
86.8620

■ 63.8780, 68.0655,
86.8620

■ 55.0566, 59.0851,
85.5946

■ 73.8811, 77.9938,
88.2522

■ 47.3636, 51.0128,
84.4420

■ 85.1043, 88.8915,
89.7642

■ 40.7503, 43.8179,
83.4018

■ 91.0974, 97.4417,
91.0986

■ 35.1618, 37.4644,
82.4700

■ 91.7082, 98.6633,
91.3022

■ 30.5380, 31.9137,
81.6423

■ 26.8119, 27.1228,
80.9139

■ 23.9067, 23.0437,
80.2797

■ 21.7301, 19.6199,
79.7336

■ 20.5871, 17.6411,
79.4119

Harmonies

Analogous

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



61.9158, 68.0655, 83.7947



63.8780, 68.0655, 86.8620



66.1038, 68.0655, 86.3684

Triad

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



63.8780, 68.0655, 86.8620



68.8431, 68.0655, 70.1756



61.5045, 68.0655, 66.3275

Complementary

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



63.8780, 68.0655, 86.8620



69.3368, 71.7305, 66.0694

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.



63.3048, 68.0655, 63.0733



63.8780, 68.0655, 86.8620



67.5545, 68.0655, 65.2051

Square

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



63.8780, 68.0655, 86.8620



69.0052, 68.0655, 76.4841



65.5174, 68.0655, 62.6746



60.5666, 68.0655, 71.7890

Rectangle

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



63.8780, 68.0655, 86.8620



67.4369, 68.0655, 84.0934



65.5174, 68.0655, 62.6746



62.0270, 68.0655, 64.9530

Sweetspot

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



63.8800, 68.0683, 86.8635



89.7402, 94.8041, 108.1769



66.0868, 75.8714, 77.1499



19.0002, 20.0874, 23.1258



0.0000, 0.0000, 0.0000



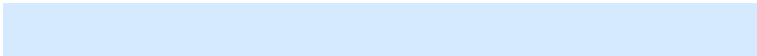
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8800, 68.0683, 86.8635



75.2474, 80.3611, 106.1530



60.1870, 60.6823, 85.6325



14.8329, 15.7522, 19.1809



11.8044, 10.2558, 45.1004



1.0229, 0.9972, 3.5734

Inverse Universe

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



67.2508, 64.5760, 74.5688



80.1807, 75.3918, 88.1272



73.4050, 79.8669, 67.4255



15.3692, 15.1755, 17.2294



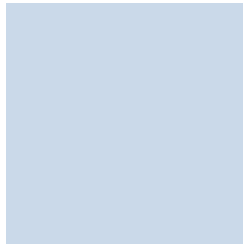
20.8136, 10.5281, 10.0858



1.6828, 0.8461, 1.0470

Previews

White Background



This preview shows how the XYZ color 63.8780, 68.0655, 86.8620 looks on a white background.

Color Contrast Check

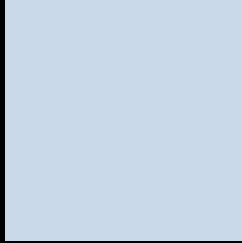
Large Text (above 18pt) WCAG AA × Fail

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 63.8780, 68.0655, 86.8620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

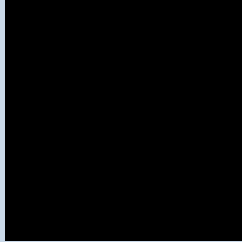
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

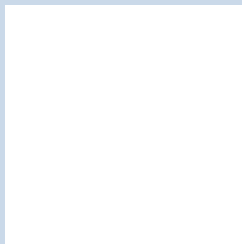
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8780, 68.0655, 86.8620

Background



This preview shows how black text looks on a background with the XYZ color 63.8780, 68.0655, 86.8620.



This preview shows how white text looks on a background with the XYZ color 63.8780, 68.0655,

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

63.8780, 68.0655, 86.8620

Protanopia

66.2019, 68.1588, 85.2681

Deuteranopia

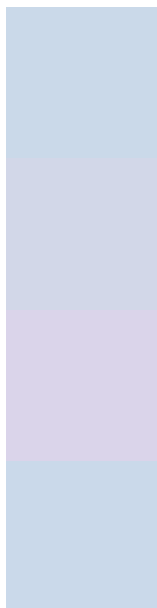
69.4744, 67.9300, 88.0474



Tritanopia

64.0213, 68.1228, 87.6166

Trichromacy



Original Color

63.8780, 68.0655, 86.8620

Protanomaly

65.4443, 68.1287, 86.0448

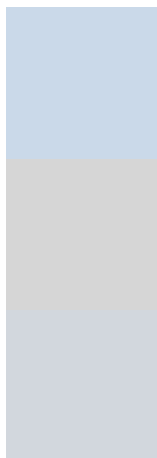
Deuteranomaly

67.3082, 67.9329, 87.4067

Tritanomaly

64.0213, 68.1228, 87.6166

Monochromacy



Original Color

63.8780, 68.0655, 86.8620

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9299, 67.5230, 78.0704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8780, 68.0655, 86.8620 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(202, 217, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 217, 233)  
}
```

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(202, 217, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 217, 233) }
```

Border

The CSS property to change the border of an element to XYZ 63.8780, 68.0655, 86.8620 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(202, 217, 233) }
```


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

```
.border{ border-color:rgb(202, 217, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 217, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 217, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 217, 233);  
box-shadow:4px 4px 4px 4px rgb(202, 217,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8780, 68.0655, 86.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 217, 233) }
```

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

```
.background{ background-color: rgb(202,  
217, 233) }
```

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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