

Converting Colors

XYZ(68.6710, 78.2517, 88.3571)

Have a look what the booklet for
XYZ(68.6710, 78.2517, 88.3571)
contains.

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Color

**XYZ(68.7908, 78.2916,
88.5769)**

Conversions

Conversions Part 1

Format	Color
Hex	C9ECE9
RGB	201, 236, 233
RGB Percent	79%, 93%, 91%
CMY	0.2118, 0.0745, 0.0863
CMYK	0.15, 0.00, 0.01, 0.07
HSL	175°, 48%, 86%
HSV	175°, 15%, 93%
XYZ	68.7908, 78.2916, 88.5769
YIQ	225.1930, -19.8970, -8.3530

Conversions

Conversions Part 2

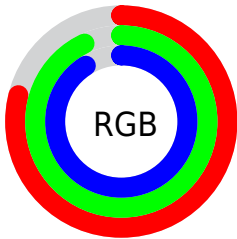
Format	Color
R _Y B	201, 219, 236
Decimal	13233385
CIE Lab	90.91, -11.91, -2.37
CIE LCh	91, 12.146, 191.252
Yxy	78.2916, 0.2919, 0.3322
Android (android.graphics.Color)	4291423465 (0xFFC9ECE9)
YUV	225.1930, 3.8489, -21.2173
Hunter-Lab	88.4825, -16.0695, 2.5846

Details

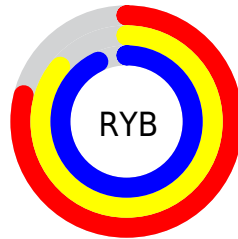
The XYZ color **68.7908, 78.2916, 88.5769** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3806, 63.9679, 65.9785**, and the grayscale version is **71.6921, 75.4256, 82.1385**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2897, 42.0199, 47.7930** is the 20% darker color. If you saturate the color by 10%, you get **62.6405, 75.1563, 86.7891**, and if you desaturate by 10%, it is **75.9237, 81.9372, 90.4313**.

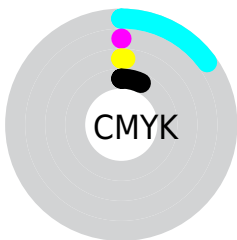
Distribution



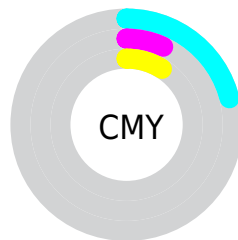
- Red (79%)
- Green (93%)
- Blue (91%)



- Red (79%)
- Yellow (86%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7908, 78.2916, 88.5769 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 68.7908, 78.2916, 88.5769 by changing the saturation by 10% instead.

68.7908, 78.2916,
88.5769

68.7908, 78.2916,
88.5769

445.6257,
489.1566, 543.8408

50.8174, 58.3136,
66.2339

116.5184,
130.9611, 147.2783

36.2837, 42.0608,
48.0046

147.0033,
164.4213, 184.4737

24.8245, 29.1489,
33.4705

182.3895,
203.1444, 227.4570

16.0744, 19.1935,
22.2131

223.0422,
247.5148, 276.6467

9.6680, 11.8102,
13.8137

269.3268,
297.9168, 332.4614

5.2400, 6.6145,
7.8540

321.6087,

2.4249, 3.2222,

354.7348, 395.3197

3.9152

380.2532,
418.3533, 465.6399

0.8576, 1.2488,
1.5789

0.0000, 0.1011,
0.2757

68.7908, 78.2916,
88.5769

68.7908, 78.2916,
88.5769

62.6405, 75.1563,
86.7891

75.9237, 81.9372,
90.4313

57.4216, 72.4987,
85.0606


84.0739, 86.1048,
92.3490


53.0886, 70.2975,
83.3907

86.8282, 87.4903,
94.0317


49.5895, 68.5257,
81.7770


87.1293, 87.6107,
95.6170

 46.8668, 67.1538,
80.2167


 87.4337, 87.7325,
97.2201


 44.8556, 66.1484,
78.7068


 87.7415, 87.8556,
98.8410


 43.4808, 65.4706,
77.2436

 88.0527, 87.9801,
100.4796

 42.6499, 65.0728,
75.8229

 88.3672, 88.1059,
102.1362

 42.3599, 64.9390,
75.1017

 88.6852, 88.2331,
103.8107

Harmonies

Analogous

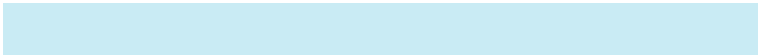
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9799, 78.2916, 79.9441



68.7908, 78.2916, 88.5769



70.0772, 78.2916, 96.8474

Triad

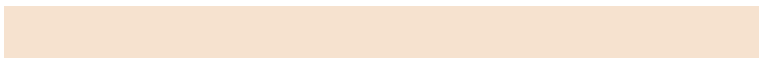
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7908, 78.2916, 88.5769



78.3614, 78.2916, 98.5533



76.3210, 78.2916, 70.2639

Complementary

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



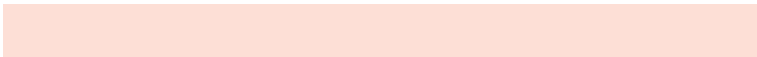
68.7908, 78.2916, 88.5769



66.3806, 63.9679, 65.9785

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.



78.9257, 78.2916, 74.6106



68.7908, 78.2916, 88.5769



80.1259, 78.2916, 90.7778

Square

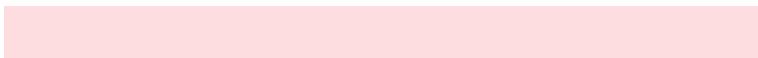
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7908, 78.2916, 88.5769



75.5679, 78.2916, 102.8648



80.3352, 78.2916, 82.0001



73.2716, 78.2916, 69.7639

Rectangle

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



68.7908, 78.2916, 88.5769



71.6196, 78.2916, 100.8906



80.3352, 78.2916, 82.0001



77.2798, 78.2916, 71.3090

Sweetspot

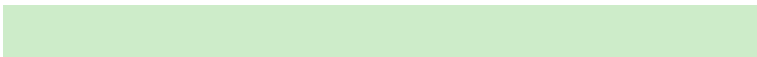
The Sweet Spot groups the original color and five complimentary colors.



68.7930, 78.2949, 88.5787



91.2558, 98.0603, 107.9886



65.5795, 77.1194, 66.6887



19.3845, 20.9133, 23.0776



0.0000, 0.0000, 0.0000



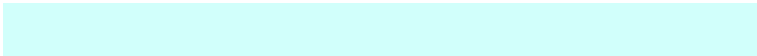
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7930, 78.2949, 88.5787



79.5051, 92.0588, 104.8965



65.3513, 70.7188, 89.5664



15.4587, 17.0983, 19.0982



23.3726, 35.8035, 41.5226



1.8518, 2.8180, 3.3471

Inverse Universe

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



66.3806, 63.9679, 65.9785



76.0801, 71.7161, 72.8091



69.4378, 70.6534, 65.2373



15.1179, 15.0750, 15.9063



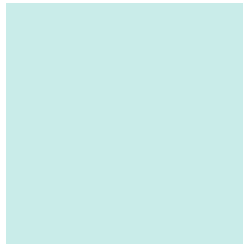
19.1579, 9.8658, 1.3667



1.5225, 0.7819, 0.2026

Previews

White Background



This preview shows how the XYZ color 68.7908, 78.2916, 88.5769 looks on a white background.

Color Contrast Check

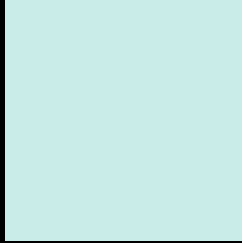
Large Text (above 18pt) WCAG AA × Fail

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 68.7908, 78.2916, 88.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

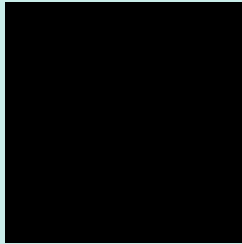
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

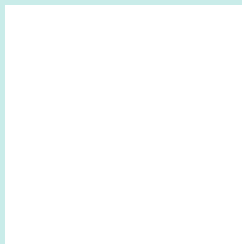
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7908, 78.2916, 88.5769

Background



This preview shows how black text looks on a background with the XYZ color 68.7908, 78.2916, 88.5769.

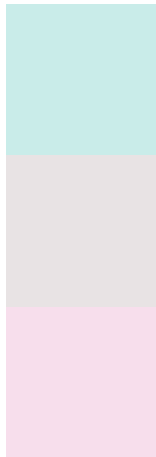


This preview shows how white text looks on a background with the XYZ color 68.7908, 78.2916,

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

68.7908, 78.2916, 88.5769

Protanopia

74.7514, 77.6954, 84.4557

Deuteranopia

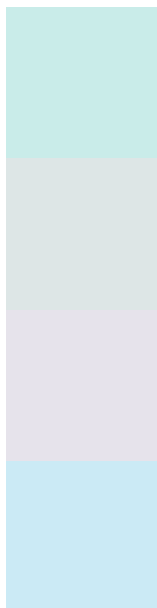
79.6194, 78.0728, 90.2301



Tritanopia

71.6114, 78.1435, 103.4043

Trichromacy



Original Color

68.7908, 78.2916, 88.5769

Protanomaly

72.3985, 77.6790, 86.0406

Deuteranomaly

75.0976, 77.7593, 89.6482

Tritanomaly

70.5329, 78.1347, 97.7502

Monochromacy



Original Color

68.7908, 78.2916, 88.5769

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.3418, 76.2390, 84.4070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7908, 78.2916, 88.5769 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(201, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(201, 236, 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(201, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 236, 233) }
```

Border

The CSS property to change the border of an element to XYZ 68.7908, 78.2916, 88.5769 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(201, 236, 233) }
```


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

```
.border{ border-color:rgb(201, 236, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(201, 236,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7908, 78.2916, 88.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 236, 233) }
```

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

```
.background{ background-color: rgb(201,  
236, 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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