

Converting Colors

XYZ(67.8956, 75.7881, 85.1788)

Have a look what the booklet for
XYZ(67.8956, 75.7881, 85.1788)
contains.

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Color

**XYZ(67.8956, 75.7881,
85.1788)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE7E5
RGB	205, 231, 229
RGB Percent	80%, 91%, 90%
CMY	0.1961, 0.0941, 0.1020
CMYK	0.11, 0.00, 0.01, 0.09
HSL	175°, 35%, 85%
HSV	175°, 11%, 91%
XYZ	67.8956, 75.7881, 85.1788
YIQ	222.9980, -14.8540, -6.1340

Conversions

Conversions Part 2

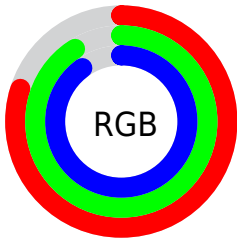
Format	Color
R_{YB}	205, 219, 231
Decimal	13494245
CIE _{Lab}	89.76, -8.90, -1.94
CIE _{LCh}	90, 9.112, 192.277
Yxy	75.7881, 0.2967, 0.3312
Android (android.graphics.Color)	4291684325 (0xFFCDE7E5)
YUV	222.9980, 2.9590, -15.7842
Hunter-Lab	87.0564, -13.1358, 2.9282

Details

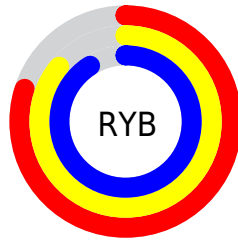
The XYZ color **67.8956, 75.7881, 85.1788** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0515, 65.1586, 68.1305**, and the grayscale version is **70.1268, 73.7789, 80.3452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7325, 40.2952, 45.9389** is the 20% darker color. If you saturate the color by 10%, you get **61.7412, 72.6460, 83.6016**, and if you desaturate by 10%, it is **74.9977, 79.4225, 86.8168**.

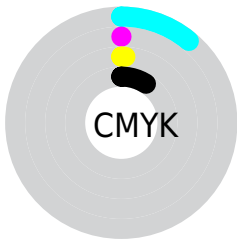
Distribution



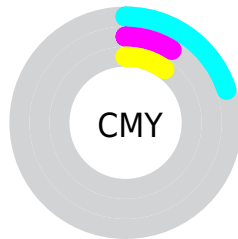
- Red (80%)
- Green (91%)
- Blue (90%)



- Red (80%)
- Yellow (86%)
- Blue (91%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8956, 75.7881, 85.1788 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 67.8956, 75.7881, 85.1788 by changing the saturation by 10% instead.

67.8956, 75.7881,
85.1788

67.8956, 75.7881,
85.1788

442.5086,
480.6220, 532.3795

50.0862, 56.2588,
63.4381

115.2455,
127.4273, 142.4993

35.7000, 40.4104,
45.7525

145.5167,
160.3060, 178.9163

24.3716, 27.8587,
31.7033

180.6725,
198.4033, 221.0624

15.7357, 18.2192,
20.8720

221.0783,
242.1035, 269.3562

9.4270, 11.1075,
12.8402

267.0995,
291.7911, 324.2163

5.0801, 6.1392,
7.1891

319.1013,

2.3296, 2.9299,

347.8505, 386.0612

3.5004

377.4492,
410.6660, 455.3094

0.8097, 1.0952,
1.3555

0.0000, 0.0000,
0.1066

67.8956, 75.7881,
85.1788

67.8956, 75.7881,
85.1788

61.7412, 72.6460,
83.6016

74.9977, 79.4225,
86.8168

56.4869, 69.9656,
82.0782

83.0795, 83.5597,
88.5124

52.0908, 67.7273,
80.6083

84.7176, 84.3748,
89.9198

48.5051, 65.9065,
79.1894

84.9752, 84.4778,
91.2761

■ 45.6771, 64.4760,
77.8191

■ 85.2353, 84.5818,
92.6459

■ 43.5482, 63.4057,
76.4947

■ 85.4980, 84.6869,
94.0293

■ 42.0511, 62.6607,
75.2128

■ 85.7633, 84.7930,
95.4264

■ 41.1052, 62.1996,
73.9698

■ 86.0312, 84.9002,
96.8372

■ 40.6139, 61.9692,
72.9094

■ 86.3018, 85.0084,
98.2617

Harmonies

Analogous

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



67.9978, 75.7881, 78.8116



67.8956, 75.7881, 85.1788



68.8854, 75.7881, 91.1250

Triad

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



67.8956, 75.7881, 85.1788



74.9793, 75.7881, 92.0158



73.3572, 75.7881, 71.2890

Complementary

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



67.8956, 75.7881, 85.1788



66.0515, 65.1586, 68.1305

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.



75.2777, 75.7881, 74.4752



67.8956, 75.7881, 85.1788



76.2275, 75.7881, 86.3437

Square

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



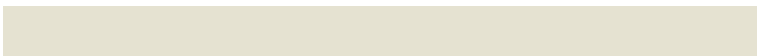
67.8956, 75.7881, 85.1788



72.9567, 75.7881, 95.2077



76.3379, 75.7881, 79.9178



71.1198, 75.7881, 71.0134

Rectangle

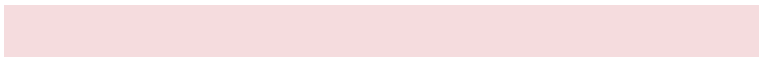
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



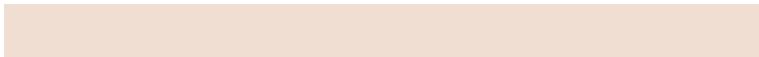
67.8956, 75.7881, 85.1788



70.0436, 75.7881, 93.9622



76.3379, 75.7881, 79.9178



74.0624, 75.7881, 72.0472

Sweetspot

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



67.8978, 75.7913, 85.1805



92.1966, 98.5399, 108.2719



65.3763, 74.8522, 68.7611



19.5747, 21.0102, 23.1389



0.0000, 0.0000, 0.0000



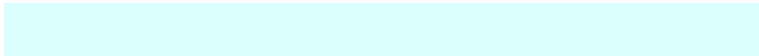
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8978, 75.7913, 85.1805



82.6740, 93.6707, 106.0257



65.2398, 70.0251, 85.6827



14.7570, 16.3162, 18.2512



22.7886, 34.7476, 40.9827



1.6983, 2.5735, 3.1040

Inverse Universe

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



66.0515, 65.1586, 68.1305



79.8414, 77.3564, 79.8659



68.4903, 70.4257, 67.7425



14.4218, 14.3859, 15.1558



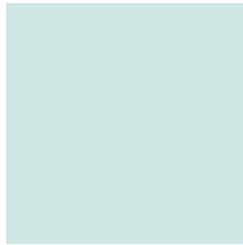
18.5526, 9.5553, 1.2732



1.3868, 0.7124, 0.1773

Previews

White Background



This preview shows how the XYZ color 67.8956, 75.7881, 85.1788 looks on a white background.

Color Contrast Check

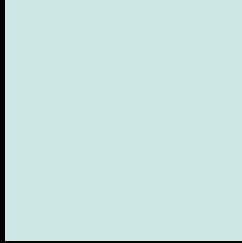
Large Text (above 18pt) WCAG AA × Fail

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 67.8956, 75.7881, 85.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

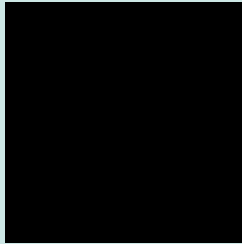
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

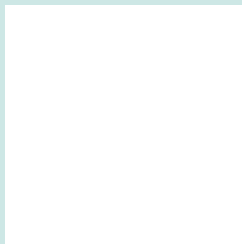
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8956, 75.7881, 85.1788

Background



This preview shows how black text looks on a background with the XYZ color 67.8956, 75.7881, 85.1788.

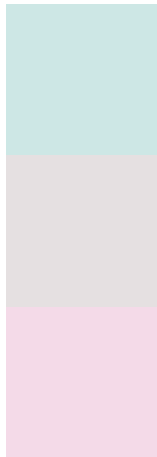


This preview shows how white text looks on a background with the XYZ color 67.8956, 75.7881,

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

67.8956, 75.7881, 85.1788

Protanopia

72.5594, 75.4056, 81.9646

Deuteranopia

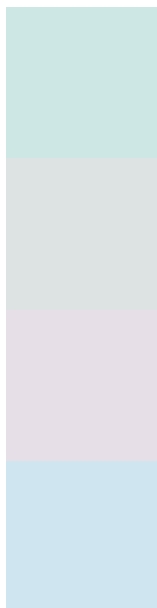
76.9451, 75.2021, 86.8039



Tritanopia

70.3904, 75.5505, 98.0615

Trichromacy



Original Color

67.8956, 75.7881, 85.1788

Protanomaly

70.7118, 75.6448, 82.8255

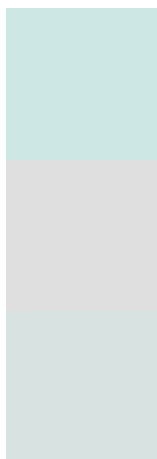
Deuteranomaly

73.4446, 75.3679, 86.2778

Tritanomaly

69.4796, 75.5953, 93.3675

Monochromacy



Original Color

67.8956, 75.7881, 85.1788

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1059, 74.4279, 81.9579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8956, 75.7881, 85.1788 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, 231, 229)` looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 229)  
}
```

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, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 229) }
```

Border

The CSS property to change the border of an element to XYZ 67.8956, 75.7881, 85.1788 is called "border". The border property can be set on classes, ids or directly on the HTML element.

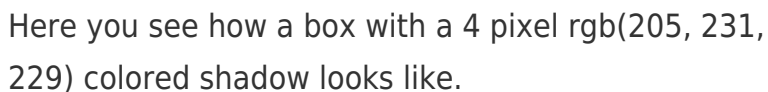
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 231, 229) }
```


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

```
.border{ border-color:rgb(205, 231, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 231, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 231, 229); box-shadow:4px 4px 4px 4px rgb(205, 231, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8956, 75.7881, 85.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 229) }
```

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

```
.background{ background-color: rgb(205,  
231, 229) }
```

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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