

Converting Colors

XYZ(56.7690, 70.8435, 67.8089)

Have a look what the booklet for
XYZ(56.7690, 70.8435, 67.8089)
contains.

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Color

**XYZ(56.7690, 70.8435,
67.8089)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE8CC
RGB	172, 232, 204
RGB Percent	67%, 91%, 80%
CMY	0.3255, 0.0902, 0.2000
CMYK	0.26, 0.00, 0.12, 0.09
HSL	152°, 57%, 79%
HSV	152°, 26%, 91%
XYZ	56.7690, 70.8435, 67.8089
YIQ	210.8680, -26.7720, -21.4280

Conversions

Conversions Part 2

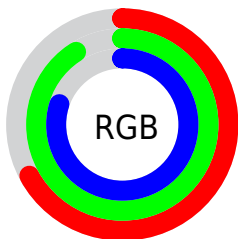
Format	Color
R _Y B	172, 211, 232
Decimal	11331788
CIE Lab	87.41, -24.65, 7.50
CIE LCh	87, 25.767, 163.084
Yxy	70.8435, 0.2905, 0.3625
Android (android.graphics.Color)	4289521868 (0xFFACE8CC)
YUV	210.8680, -3.3859, -34.0872
Hunter-Lab	84.1686, -26.9025, 11.1521

Details

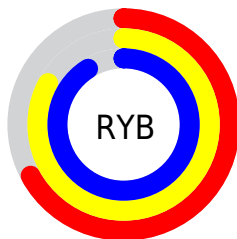
The XYZ color **56.7690, 70.8435, 67.8089** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4591, 50.8329, 61.3772**, and the grayscale version is **61.8657, 65.0875, 70.8803**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **28.5016, 37.1042, 34.5138** is the 20% darker color. If you saturate the color by 10%, you get **50.8613, 67.9448, 60.9881**, and if you desaturate by 10%, it is **63.6598, 74.2425, 75.1501**.

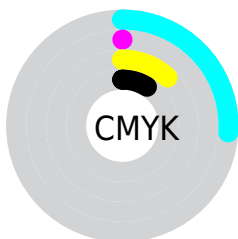
Distribution



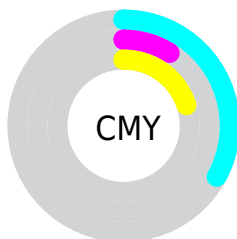
- Red (67%)
- Green (91%)
- Blue (80%)



- Red (67%)
- Yellow (83%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (33%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7690, 70.8435, 67.8089 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 56.7690, 70.8435, 67.8089 by changing the saturation by 10% instead.


 56.7690, 70.8435,
67.8089

 56.7690, 70.8435,
67.8089

402.6113,
463.5062, 471.3983

 41.0592, 52.2145,
49.2766

 99.2614, 120.4109,
117.7303

 28.5532, 37.1761,
34.4718


126.7746,
152.1180, 149.9565

 18.8857, 25.3438,
22.9760


158.9532,
188.9533, 187.5844

 11.6912, 16.3334,
14.3706

196.1622,
231.3012, 231.0326

 6.6045, 9.7604,
8.2372

238.7672,
279.5460, 280.7195

 3.2601, 5.2404,
4.1572

287.1335,

 1.2928, 2.3890,

334.0722, 337.0637

1.7120

341.6264,
395.2641, 400.4838

■ 0.1778, 0.8202,
0.3689

■ 0.0000, 0.0000,
0.0000

■ 56.7690, 70.8435,
67.8089

■ 56.7690, 70.8435,
67.8089

■ 50.8613, 67.9448,
60.9881

■ 63.6598, 74.2425,
75.1501

■ 45.8828, 65.5129,
54.6711

■ 71.5725, 78.1556,
83.0182

■ 41.7832, 63.5242,
48.8473

■ 80.5508, 82.6073,
91.4257

■ 38.5049, 61.9490,
43.5038

■ 86.9346, 85.7105,
100.2101

■ 35.9829, 60.7542,
38.6271

■ 88.1479, 86.1958,
106.5993

■ 34.1416, 59.9010,
34.2028

■ 32.8881, 59.3418,
30.2151

■ 32.4789, 59.1642,
28.6872

Harmonies

Analogous

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



59.6690, 70.8435, 55.1985



56.7690, 70.8435, 67.8089



56.5888, 70.8435, 84.9576

Triad

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



56.7690, 70.8435, 67.8089



70.0128, 70.8435, 114.5122



76.2284, 70.8435, 56.4735

Complementary

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



56.7690, 70.8435, 67.8089



58.4591, 50.8329, 61.3772

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.



79.3613, 70.8435, 69.8108



56.7690, 70.8435, 67.8089



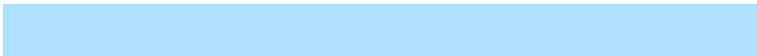
75.6302, 70.8435, 104.2308

Square

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



56.7690, 70.8435, 67.8089



63.9936, 70.8435, 113.7605



79.1360, 70.8435, 87.2826



70.7899, 70.8435, 49.3605

Rectangle

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



56.7690, 70.8435, 67.8089



58.0167, 70.8435, 96.8699



79.1360, 70.8435, 87.2826



77.6004, 70.8435, 60.2834

Sweetspot

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



56.7710, 70.8464, 67.8105



86.4438, 95.7361, 100.6933



60.3928, 73.1124, 49.9599



18.1765, 20.3301, 21.2325



0.0000, 0.0000, 0.0000



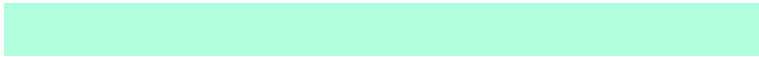
20.3446, 21.4041, 23.3091

Same Dimension

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



56.7710, 70.8464, 67.8105



66.3222, 85.8119, 79.4715



60.1571, 71.7517, 87.0262



14.5090, 16.2170, 16.9451



18.0945, 32.8699, 16.2639



1.3840, 2.4477, 1.4485

Inverse Universe

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



58.4591, 50.8329, 61.3772



68.7457, 57.0871, 70.2414



55.6708, 50.0232, 45.7522



14.6555, 14.4794, 16.3862



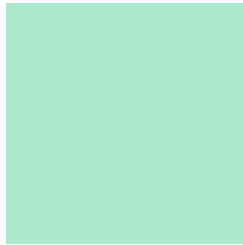
20.0482, 10.1535, 9.1486



1.5281, 0.7689, 0.9212

Previews

White Background



This preview shows how the XYZ color 56.7690, 70.8435, 67.8089 looks on a white background.

Color Contrast Check

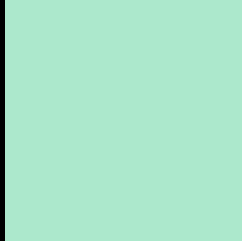
Large Text (above 18pt) WCAG AA × Fail

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 56.7690, 70.8435, 67.8089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

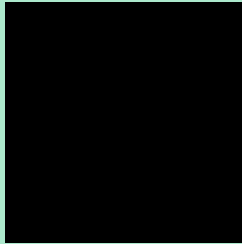
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

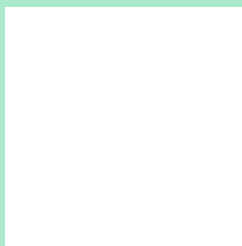
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7690, 70.8435, 67.8089

Background



This preview shows how black text looks on a background with the XYZ color 56.7690, 70.8435, 67.8089.



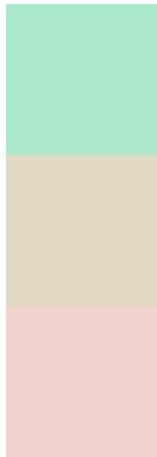
This preview shows how white text looks on a background with the XYZ color 56.7690, 70.8435,

67.8089.

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

56.7690, 70.8435, 67.8089

Protanopia

66.7138, 70.4592, 62.3083

Deuteranopia

71.6416, 70.1973, 69.4480



Tritanopia

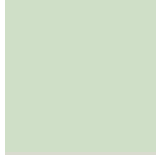
62.3479, 70.6277, 95.9344

Trichromacy



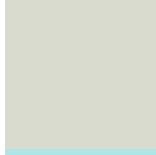
Original Color

56.7690, 70.8435, 67.8089



Protanomaly

62.4286, 70.1643, 64.2856



Deuteranomaly

65.2093, 69.9197, 69.0904



Tritanomaly

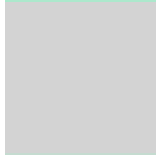
60.0177, 70.4911, 84.5716

Monochromacy



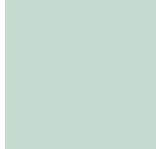
Original Color

56.7690, 70.8435, 67.8089



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.7426, 67.0874, 69.4749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7690, 70.8435, 67.8089 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(172, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(172, 232, 204)  
}
```

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(172, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 232, 204) }
```

Border

The CSS property to change the border of an element to XYZ 56.7690, 70.8435, 67.8089 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(172, 232, 204) }
```


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

```
.border{ border-color:rgb(172, 232, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 232, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 232, 204);  
box-shadow:4px 4px 4px 4px rgb(172, 232,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7690, 70.8435, 67.8089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 232, 204) }
```

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

```
.background{ background-color: rgb(172,  
232, 204) }
```

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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