

Converting Colors

XYZ(57.6711, 69.8870, 78.6012)

Have a look what the booklet for
XYZ(57.6711, 69.8870, 78.6012)
contains.

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Color

**XYZ(57.6480, 69.8051,
78.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE5DD
RGB	170, 229, 221
RGB Percent	67%, 90%, 87%
CMY	0.3333, 0.1019, 0.1333
CMYK	0.26, 0.00, 0.03, 0.10
HSL	172°, 53%, 78%
HSV	172°, 26%, 90%
XYZ	57.6480, 69.8051, 78.8420
YIQ	210.4470, -32.5960, -14.9960

Conversions

Conversions Part 2

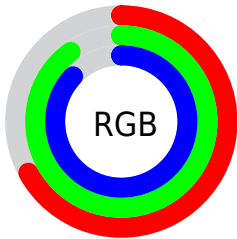
Format	Color
R _{YB}	170, 202, 229
Decimal	11199965
CIE Lab	86.90, -20.30, -2.18
CIE LCh	87, 20.418, 186.129
Yxy	69.8051, 0.2794, 0.3384
Android (android.graphics.Color)	4289390045 (0xFFAAE5DD)
YUV	210.4470, 5.2026, -35.4720
Hunter-Lab	83.5494, -23.0489, 2.5352

Details

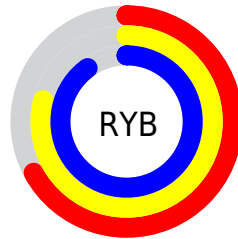
The XYZ color **57.6480, 69.8051, 78.8420** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7261, 48.6237, 48.6232**, and the grayscale version is **61.5361, 64.7408, 70.5027**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **29.0290, 36.3533, 41.5633** is the 20% darker color. If you saturate the color by 10%, you get **52.7127, 67.3100, 76.4719**, and if you desaturate by 10%, it is **63.4573, 72.7534, 81.2959**.

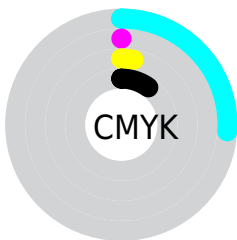
Distribution



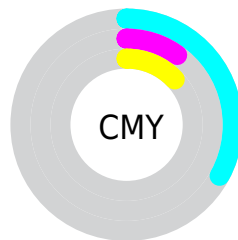
- Red (67%)
- Green (90%)
- Blue (87%)



- Red (67%)
- Yellow (79%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (33%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6480, 69.8051, 78.8420 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 57.6480, 69.8051, 78.8420 by changing the saturation by 10% instead.

■ 57.6480, 69.8051,
78.8420

■ 57.6480, 69.8051,
78.8420

405.8481,
459.8654, 510.6252

■ 41.7679, 51.3677,
58.2454

■ 100.5360,
118.9308, 133.5331

■ 29.1099, 36.5013,
41.5899

128.2746,
150.3878, 168.4646

■ 19.3087, 24.8216,
28.4572

160.6968,
186.9535, 209.0114

■ 11.9989, 15.9442,
18.4285

198.1678,
229.0122, 255.5922

■ 6.8151, 9.4847,
11.0855

241.0531,
276.9483, 308.6254

■ 3.3920, 5.0586,
6.0095

289.7180,

■ 1.3643, 2.2817,

331.1463, 368.5296

2.7819

344.5279,
391.9905, 435.7234

■ 0.2306, 0.7640,
0.9844

■ 0.0000, 0.0000,
0.0000

■ 57.6480, 69.8051,
78.8420

■ 57.6480, 69.8051,
78.8420

■ 52.7127, 67.3100,
76.4719

■ 63.4573, 72.7534,
81.2959

■ 48.6006, 65.2367,
74.1786

■ 70.1761, 76.1679,
83.8311


■ 45.2649, 63.5627,
71.9612


■ 77.8451, 80.0715,
86.4512


■ 42.6517, 62.2603,
69.8170


■ 84.0295, 83.2086,
89.0424


 40.7000, 61.2981,
67.7428


 84.4783, 83.3882,
91.4060


 39.3390, 60.6394,
65.7352


 84.9350, 83.5709,
93.8109

 38.4808, 60.2392,
63.7897

 85.3996, 83.7567,
96.2574

 38.2070, 60.1157,
62.9816

 85.8722, 83.9457,
98.7458

 86.3527, 84.1379,
101.2761

Harmonies

Analogous

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



58.3166, 69.8051, 65.8734



57.6480, 69.8051, 78.8420



59.2188, 69.8051, 92.5512

Triad

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



57.6480, 69.8051, 78.8420



71.8979, 69.8051, 99.2319



70.1251, 69.8051, 54.4463

Complementary

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



57.6480, 69.8051, 78.8420



54.7261, 48.6237, 48.6232

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.



74.0268, 69.8051, 61.5602



57.6480, 69.8051, 78.8420



75.0842, 69.8051, 87.1275

Square

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



57.6480, 69.8051, 78.8420



67.3307, 69.8051, 105.1964



75.8813, 69.8051, 73.2386



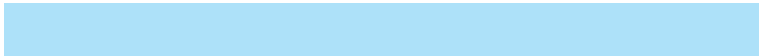
65.3742, 69.8051, 52.7864

Rectangle

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



57.6480, 69.8051, 78.8420



61.3709, 69.8051, 99.9419



75.8813, 69.8051, 73.2386



71.5864, 69.8051, 56.2337

Sweetspot

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



57.6500, 69.8079, 78.8436



87.4967, 96.1572, 106.2378



53.8329, 68.5096, 48.4178



18.4426, 20.4366, 22.6338



0.0000, 0.0000, 0.0000



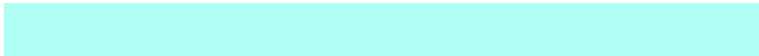
20.3446, 21.4041, 23.3091

Same Dimension

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



57.6500, 69.8079, 78.8436



70.0246, 87.2928, 98.9680



53.3638, 59.4882, 82.8018



14.7189, 16.3010, 18.0506



21.8769, 34.3829, 36.1818



1.6400, 2.5501, 2.7968

Inverse Universe

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



54.7261, 48.6237, 48.6232



65.6901, 55.8649, 54.1506



58.1257, 56.6716, 45.9066



14.4562, 14.3997, 15.3367



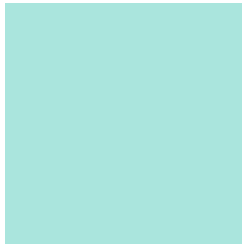
18.6421, 9.5911, 1.7444



1.4031, 0.7190, 0.2635

Previews

White Background



This preview shows how the XYZ color 57.6480, 69.8051, 78.8420 looks on a white background.

Color Contrast Check

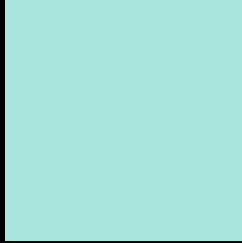
Large Text (above 18pt) WCAG AA × Fail

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 57.6480, 69.8051, 78.8420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

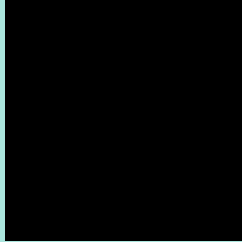
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

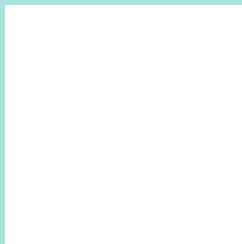
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.6480, 69.8051, 78.8420

Background



This preview shows how black text looks on a background with the XYZ color 57.6480, 69.8051, 78.8420.

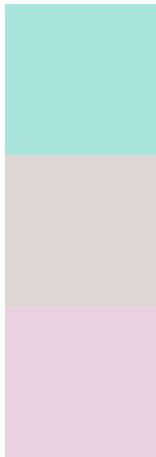


This preview shows how white text looks on a background with the XYZ color 57.6480, 69.8051,

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

57.6480, 69.8051, 78.8420

Protanopia

66.3849, 69.2880, 72.8258

Deuteranopia

70.5689, 69.0219, 80.8373



Tritanopia

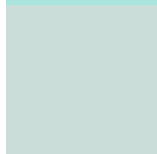
61.2047, 70.0383, 95.8809

Trichromacy



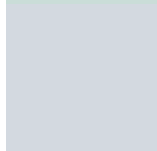
Original Color

57.6480, 69.8051, 78.8420



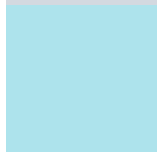
Protanomaly

62.6082, 69.2273, 75.0282



Deuteranomaly

65.1314, 68.8564, 80.3788



Tritanomaly

59.8430, 69.8785, 89.6907

Monochromacy



Original Color

57.6480, 69.8051, 78.8420



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

59.4561, 66.0829, 73.2399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6480, 69.8051, 78.8420 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(170, 229, 221)` looks like.

```
.text, #text, p{  
    color:rgb(170, 229, 221)  
}
```

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(170, 229, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 229, 221) }
```

Border

The CSS property to change the border of an element to XYZ 57.6480, 69.8051, 78.8420 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(170, 229, 221) }
```


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

```
.border{ border-color:rgb(170, 229, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 229, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 229, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 229, 221);  
box-shadow:4px 4px 4px 4px rgb(170, 229,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6480, 69.8051, 78.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 229, 221) }
```

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

```
.background{ background-color: rgb(170,  
229, 221) }
```

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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