

Converting Colors

XYZ(57.8663, 72.8372, 68.1359)

Have a look what the booklet for
XYZ(57.8663, 72.8372, 68.1359)
contains.

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Color

**XYZ(57.8410, 72.6605,
68.1031)**

Conversions

Conversions Part 1

Format	Color
Hex	ADEBCC
RGB	173, 235, 204
RGB Percent	68%, 92%, 80%
CMY	0.3216, 0.0784, 0.2000
CMYK	0.26, 0.00, 0.13, 0.08
HSL	150°, 61%, 80%
HSV	150°, 26%, 92%
XYZ	57.8410, 72.6605, 68.1031
YIQ	212.9280, -27.0010, -22.7850

Conversions

Conversions Part 2

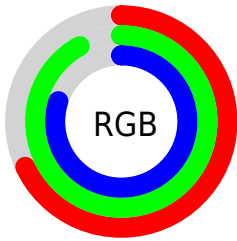
Format	Color
R_{YB}	173, 214, 235
Decimal	11398092
CIE _{Lab}	88.29, -25.80, 8.76
CIE _{LCh}	88, 27.244, 161.239
Yxy	72.6605, 0.2912, 0.3659
Android (android.graphics.Color)	4289588172 (0xFFADEC)
YUV	212.9280, -4.4015, -35.0169
Hunter-Lab	85.2411, -28.0495, 12.2993

Details

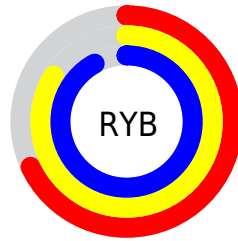
The XYZ color **57.8410, 72.6605, 68.1031** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.1061, 51.9108, 63.9816**, and the grayscale version is **63.2408, 66.5342, 72.4557**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **29.2329, 38.3641, 34.7184** is the 20% darker color. If you saturate the color by 10%, you get **51.7381, 69.6731, 60.7365**, and if you desaturate by 10%, it is **64.9683, 76.1677, 76.0759**.

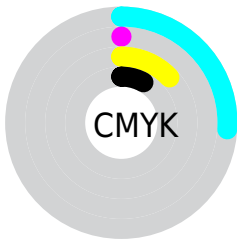
Distribution



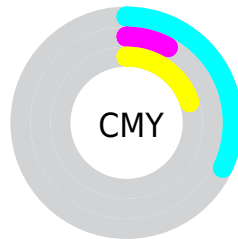
- Red (68%)
- Green (92%)
- Blue (80%)



- Red (68%)
- Yellow (84%)
- Blue (92%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)





- Cyan (32%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8410, 72.6605, 68.1031 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 57.8410, 72.6605, 68.1031 by changing the saturation by 10% instead.


 57.8410, 72.6605,
68.1031

 57.8410, 72.6605,
68.1031


406.5566,
469.8373, 472.4692

 41.9236, 53.6984,
49.5144


 100.8156,
122.9951, 118.1552

 29.2323, 38.3606,
34.6592


128.6035,
155.1364, 150.4557

 19.4018, 26.2627,
23.1190


161.0789,
192.4396, 188.1640

 12.0667, 17.0203,
14.4753

198.6072,
235.2891, 231.6984

 6.8616, 10.2489,
8.3095

241.5538,
284.0692, 281.4776

 3.4213, 5.5643,
4.2030


290.2840,

 1.3803, 2.5820,


339.1643, 337.9201


1.7374


345.1632,
400.9589, 401.4444


 0.2421, 0.9176,
0.3861


 0.0000, 0.0000,
0.0000


 57.8410, 72.6605,
68.1031


 57.8410, 72.6605,
68.1031


 51.7381, 69.6731,
60.7365


 64.9683, 76.1677,
76.0759


 46.6033, 67.1707,
53.9567

 73.1605, 80.2093,
84.6639

 42.3840, 65.1286,
47.7501

 82.4634, 84.8107,
93.8823

 39.0198, 63.5159,
42.1009

 88.3630, 87.6447,
103.5308

■ 36.4427, 62.2977,
36.9923

■ 88.9997, 87.8993,
106.8832

■ 34.5734, 61.4336,
32.4065

■ 33.3132, 60.8730,
28.3239

■ 32.9498, 60.7154,
26.9658

Harmonies

Analogous

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



61.1103, 72.6605, 55.0365



57.8410, 72.6605, 68.1031



57.4630, 72.6605, 86.3331

Triad

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



57.8410, 72.6605, 68.1031



71.5381, 72.6605, 119.8896



78.9410, 72.6605, 57.6974

Complementary

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



57.8410, 72.6605, 68.1031



60.1061, 51.9108, 63.9816

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.



82.1246, 72.6605, 72.3107



57.8410, 72.6605, 68.1031



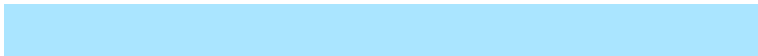
77.6744, 72.6605, 109.3558

Square

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



57.8410, 72.6605, 68.1031



65.1012, 72.6605, 118.2858



81.6469, 72.6605, 91.2541



73.1795, 72.6605, 49.7149

Rectangle

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



57.8410, 72.6605, 68.1031



58.8719, 72.6605, 99.2694



81.6469, 72.6605, 91.2541



80.3641, 72.6605, 61.8916

Sweetspot

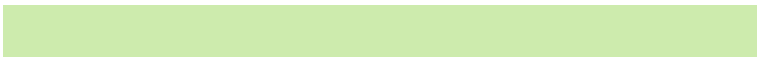
The Sweet Spot groups the original color and five complimentary colors.



57.8430, 72.6635, 68.1047



86.3399, 95.6945, 100.1461



62.4397, 75.4209, 50.8030



18.1504, 20.3197, 21.0947



0.0000, 0.0000, 0.0000



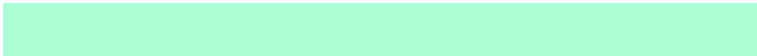
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8430, 72.6635, 68.1047



65.2451, 85.3151, 76.7797



61.7908, 74.2427, 88.8938



15.1824, 16.9878, 17.6435



18.4018, 33.8152, 15.3466



1.4935, 2.6747, 1.4608

Inverse Universe

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



60.1061, 51.9108, 63.9816



68.4238, 56.1661, 70.9885



56.8499, 50.6083, 46.8346



15.3796, 15.1797, 17.2843



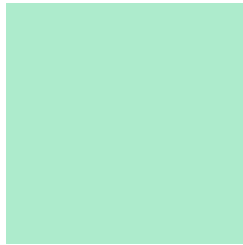
20.9359, 10.5770, 10.7295



1.6925, 0.8500, 1.0982

Previews

White Background



This preview shows how the XYZ color 57.8410, 72.6605, 68.1031 looks on a white background.

Color Contrast Check

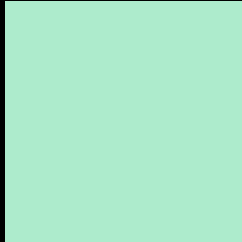
Large Text (above 18pt) WCAG AA × Fail

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 57.8410, 72.6605, 68.1031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

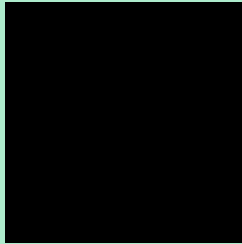
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

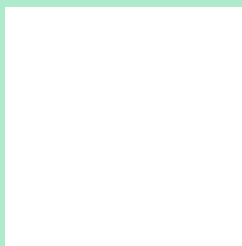
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8410, 72.6605, 68.1031

Background



This preview shows how black text looks on a background with the XYZ color 57.8410, 72.6605, 68.1031.

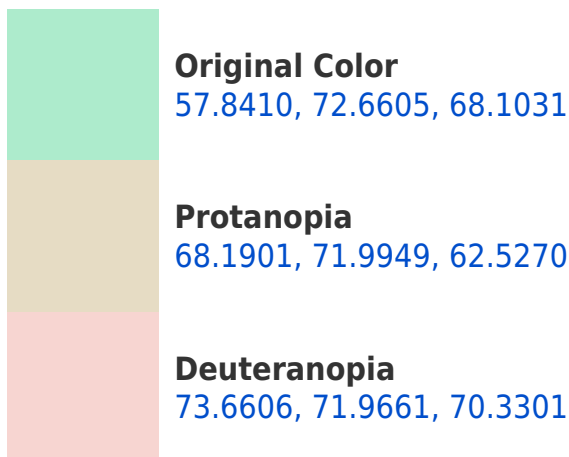


This preview shows how white text looks on a background with the XYZ color 57.8410, 72.6605,

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





Tritanopia

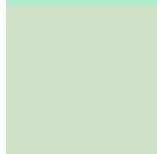
64.0992, 72.6991, 98.6496

Trichromacy



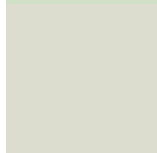
Original Color

57.8410, 72.6605, 68.1031



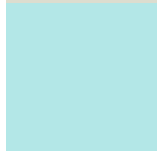
Protanomaly

63.5285, 71.5293, 64.4910



Deuteranomaly

66.6341, 71.4335, 69.3075



Tritanomaly

61.5901, 72.5051, 86.3500

Monochromacy



Original Color

57.8410, 72.6605, 68.1031



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.7780, 68.3718, 70.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8410, 72.6605, 68.1031 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(173, 235, 204)` looks like.

```
.text, #text, p{  
    color:rgb(173, 235, 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(173, 235, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 235, 204) }
```

Border

The CSS property to change the border of an element to XYZ 57.8410, 72.6605, 68.1031 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(173, 235, 204) }
```


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

```
.border{ border-color:rgb(173, 235, 204) }
```

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

Here you see how a box with a 4 pixel rgb(173, 235, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(173, 235,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8410, 72.6605, 68.1031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 235, 204) }
```

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

```
.background{ background-color: rgb(173,  
235, 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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