

Converting Colors

XYZ(57.8052, 68.7139, 89.1652)

Have a look what the booklet for
XYZ(57.8052, 68.7139, 89.1652)
contains.

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Color

**XYZ(57.7743, 68.8288,
88.8375)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E3EB
RGB	164, 227, 235
RGB Percent	64%, 89%, 92%
CMY	0.3569, 0.1098, 0.0784
CMYK	0.30, 0.03, 0.00, 0.08
HSL	187°, 64%, 78%
HSV	187°, 30%, 92%
XYZ	57.7743, 68.8288, 88.8375
YIQ	209.0750, -40.1160, -10.8680

Conversions

Conversions Part 2

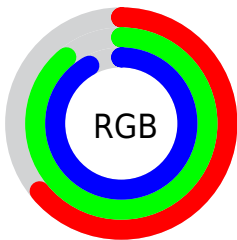
Format	Color
RYB	164, 197, 235
Decimal	10806251
CIELab	86.42, -17.91, -10.30
CIELCh	86, 20.665, 209.898
Yxy	68.8288, 0.2682, 0.3195
Android (android.graphics.Color)	4288996331 (0xFFA4E3EB)
YUV	209.0750, 12.7810, -39.5308
Hunter-Lab	82.9631, -20.8807, -5.4140

Details

The XYZ color **57.7743, 68.8288, 88.8375** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7152, 49.8481, 41.8086**, and the grayscale version is **60.5929, 63.7484, 69.4220**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **29.1959, 36.0109, 48.0598** is the 20% darker color. If you saturate the color by 10%, you get **52.6475, 65.1210, 88.3932**, and if you desaturate by 10%, it is **63.8124, 73.0264, 89.3306**.

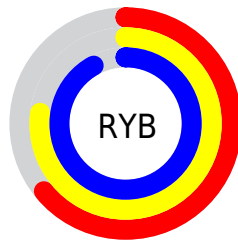
Distribution



Red (64%)

Green (89%)

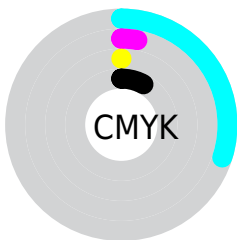
Blue (92%)



Red (64%)

Yellow (77%)

Blue (92%)

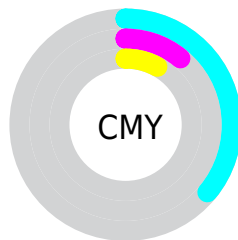


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (36%)


Magenta (11%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7743, 68.8288, 88.8375 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 57.7743, 68.8288, 88.8375 by changing the saturation by 10% instead.


 57.7743, 68.8288,
88.8375


 57.7743, 68.8288,
88.8375


406.3118,
456.4269, 544.7142

 41.8698, 50.5723,
66.4486


 100.7190,
117.5370, 147.6439

 29.1900, 35.8683,
48.1779


 128.4898,
148.7575, 184.8986

 19.3696, 24.3325,
33.6068


160.9469,
185.0681, 227.9455

 12.0432, 15.5805,
22.3168

198.4554,
226.8533, 277.2034

 6.8455, 9.2278,
13.8893

241.3808,
274.4973, 333.0906

 3.4112, 4.8901,
7.9058

290.0885,

 1.3747, 2.1829,

328.3847, 396.0258

3.9478

344.9437,
388.8998, 466.4275

■ 0.2381, 0.7106,
1.5968

■ 0.0000, 0.0000,
0.2885

■ 57.7743, 68.8288,
88.8375

■ 57.7743, 68.8288,
88.8375

■ 52.6475, 65.1210,
88.3932

■ 63.8124, 73.0264,
89.3306

■ 48.3764, 61.8690,
87.9906

■ 70.8013, 77.7290,
89.8700

■ 44.9088, 59.0476,
87.6288

■ 78.7856, 82.9615,
90.4591

■ 42.1841, 56.6255,
87.3049

■ 86.6916, 88.1703,
91.0478

■ 40.1332, 54.5670,
87.0156

■ 87.4663, 89.7196,
91.3060

■ 38.6735, 52.8294,
86.7572

■ 88.2523, 91.2916,
91.5681

■ 37.6811, 51.3692,
86.5276

■ 89.0497, 92.8865,
91.8339

■ 89.8587, 94.5043,
92.1035

■ 90.6791, 96.1452,
92.3770

Harmonies

Analogous

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



56.6562, 68.8288, 74.8961



57.7743, 68.8288, 88.8375



60.9195, 68.8288, 100.0873

Triad

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



57.7743, 68.8288, 88.8375



73.6938, 68.8288, 88.9283



65.4360, 68.8288, 51.5912

Complementary

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



57.7743, 68.8288, 88.8375



55.7152, 49.8481, 41.8086

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.



70.1363, 68.8288, 54.4074



57.7743, 68.8288, 88.8375



75.0433, 68.8288, 74.9896

Square

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



57.7743, 68.8288, 88.8375



70.1067, 68.8288, 100.1440



73.7115, 68.8288, 62.5782



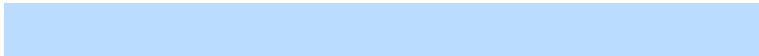
60.9464, 68.8288, 54.3696

Rectangle

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



57.7743, 68.8288, 88.8375



63.8215, 68.8288, 103.9444



73.7115, 68.8288, 62.5782



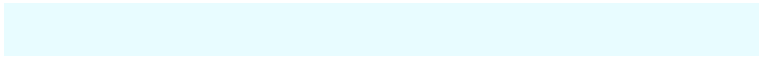
67.0443, 68.8288, 51.9099

Sweetspot

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



57.7763, 68.8316, 88.8391



86.2858, 94.2659, 108.2551



52.3798, 70.2546, 49.3794



18.1854, 19.9890, 23.1497



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.



57.7763, 68.8316, 88.8391



65.7447, 80.1267, 106.6086



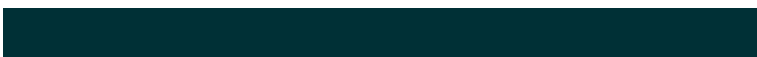
49.2443, 51.7674, 85.9951



15.3644, 16.8152, 19.3581



21.0305, 28.7080, 48.1757



1.6927, 2.3368, 3.7967

Inverse Universe

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



61.4032, 49.7608, 79.0445



70.8022, 54.0973, 92.8241



63.1791, 64.7760, 44.2966



15.6375, 15.2828, 18.6422



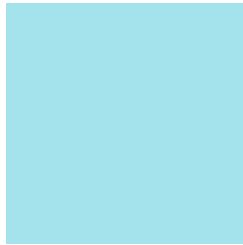
25.4705, 12.3909, 34.6088



2.0209, 0.9813, 2.8273

Previews

White Background



This preview shows how the XYZ color 57.7743, 68.8288, 88.8375 looks on a white background.

Color Contrast Check

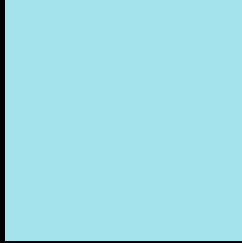
Large Text (above 18pt) WCAG AA × Fail

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 57.7743, 68.8288, 88.8375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

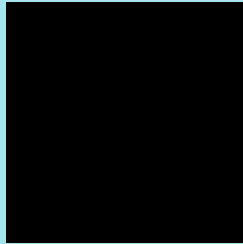
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.7743, 68.8288, 88.8375

Background



This preview shows how black text looks on a background with the XYZ color 57.7743, 68.8288, 88.8375.

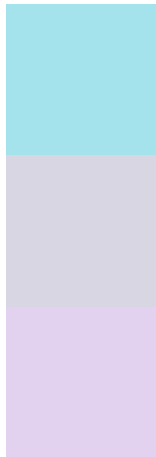


This preview shows how white text looks on a background with the XYZ color 57.7743, 68.8288,

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

57.7743, 68.8288, 88.8375

Protanopia

66.2306, 68.2381, 82.3536

Deuteranopia

69.9906, 68.4939, 91.1931



Tritanopia

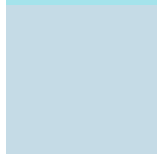
59.2514, 69.0314, 95.7895

Trichromacy



Original Color

57.7743, 68.8288, 88.8375



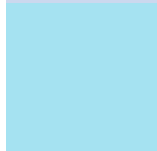
Protanomaly

62.6404, 68.2465, 84.7343



Deuteranomaly

64.6171, 67.9813, 90.6049



Tritanomaly

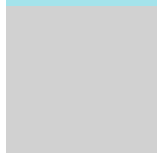
58.5906, 68.7429, 93.3997

Monochromacy



Original Color

57.7743, 68.8288, 88.8375



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

59.2031, 65.5111, 75.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7743, 68.8288, 88.8375 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(164, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 235)  
}
```

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(164, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 235) }
```

Border

The CSS property to change the border of an element to XYZ 57.7743, 68.8288, 88.8375 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(164, 227, 235) }
```


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

```
.border{ border-color:rgb(164, 227, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7743, 68.8288, 88.8375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 235) }
```

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

```
.background{ background-color: rgb(164,  
227, 235) }
```

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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