

# Converting Colors

XYZ(57.3083, 69.9492, 70.9907)

Have a look what the booklet for  
XYZ(57.3083, 69.9492, 70.9907)  
contains.

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# Color

**XYZ(57.2071, 69.7560,  
70.7707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE5D1
RGB	175, 229, 209
RGB Percent	69%, 90%, 82%
CMY	0.3137, 0.1019, 0.1804
CMYK	0.24, 0.00, 0.09, 0.10
HSL	158°, 51%, 79%
HSV	158°, 24%, 90%
XYZ	57.2071, 69.7560, 70.7707
YIQ	210.5740, -25.7640, -17.6680

# Conversions

## Conversions Part 2

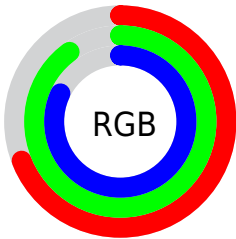
Format	Color
<b>RYB</b>	175, 208, 229
Decimal	11527633
CIELab	86.88, -21.28, 4.13
CIELCh	87, 21.676, 169.018
Yxy	69.7560, 0.2893, 0.3528
Android (android.graphics.Color)	4289717713 (0xFFAFE5D1)
YUV	210.5740, -0.7760, -31.1984
Hunter-Lab	83.5201, -23.8964, 8.2247

# Details

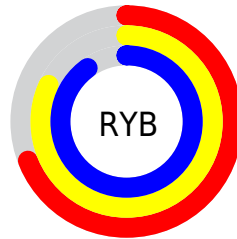
The XYZ color **57.2071, 69.7560, 70.7707** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.4958, 51.2598, 58.4964**, and the grayscale version is **61.6546, 64.8654, 70.6384**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **28.7451, 36.3186, 36.5055** is the 20% darker color. If you saturate the color by 10%, you get **51.4746, 66.9208, 65.1663**, and if you desaturate by 10%, it is **63.8710, 73.0687, 76.7136**.

# Distribution



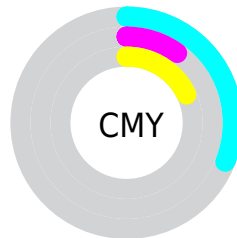
- Red (69%)
- Green (90%)
- Blue (82%)



- Red (69%)
- Yellow (82%)
- Blue (90%)



- Cyan (24%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)



- Cyan (31%)
- Magenta (10%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2071, 69.7560, 70.7707 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 57.2071, 69.7560, 70.7707 by changing the saturation by 10% instead.



■ 57.2071, 69.7560,  
70.7707

■ 57.2071, 69.7560,  
70.7707

404.2265,  
459.6928, 482.1135

■ 41.4123, 51.3276,  
51.6744

■ 99.8969, 118.8607,  
121.9986

■ 28.8305, 36.4694,  
36.3652

127.5227,  
150.3059, 154.9672

■ 19.0963, 24.7970,  
24.4244

159.8228,  
186.8588, 193.3971

■ 11.8443, 15.9258,  
15.4337

197.1627,  
228.9038, 237.7067

■ 6.7092, 9.4717,  
8.9743

239.9076,  
276.8253, 288.3146

■ 3.3256, 5.0501,  
4.6278


288.4230,

■ 1.3282, 2.2767,


331.0077, 345.6394


1.9757

343.0742,  
391.8354, 410.0995


 0.2042, 0.7613,  
0.5403


 0.0000, 0.0000,  
0.0000


 57.2071, 69.7560,  
70.7707


 57.2071, 69.7560,  
70.7707


 51.4746, 66.9208,  
65.1663


 63.8710, 73.0687,  
76.7136


 46.6229, 64.5315,  
59.8890

 71.5023, 76.8715,  
82.9966

 42.6053, 62.5658,  
54.9337

 80.1419, 81.1876,  
89.6275

 39.3682, 60.9964,  
50.2930

 85.4279, 83.7681,  
96.4062

■ 36.8515, 59.7923,  
45.9593

■ 86.7385, 84.2923,  
103.3078

■ 34.9860, 58.9180,  
41.9243

■ 87.3106, 84.5212,  
106.3202

■ 33.6875, 58.3301,  
38.1791

■ 33.0684, 58.0603,  
35.9215

# Harmonies

## Analogous

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



59.2287, 69.7560, 59.1157



57.2071, 69.7560, 70.7707



57.5273, 69.7560, 85.3924

# Triad

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



57.2071, 69.7560, 70.7707



69.5200, 69.7560, 105.4358



72.8838, 69.7560, 56.8114

# Complementary

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



57.2071, 69.7560, 70.7707



57.4958, 51.2598, 58.4964

# 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.



75.9242, 69.7560, 67.2351



57.2071, 69.7560, 70.7707



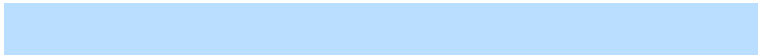
73.9150, 69.7560, 95.7161

# Square

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



57.2071, 69.7560, 70.7707



64.4661, 69.7560, 106.6977



76.3109, 69.7560, 81.3811



68.1704, 69.7560, 51.7656



# Rectangle

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



57.2071, 69.7560, 70.7707



59.0303, 69.7560, 94.8660



76.3109, 69.7560, 81.3811



74.1454, 69.7560, 59.7363

# Sweetspot

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



57.2091, 69.7589, 70.7723



87.7388, 96.3518, 103.0965



58.4464, 70.8324, 51.1500



18.6511, 20.5592, 21.9620



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

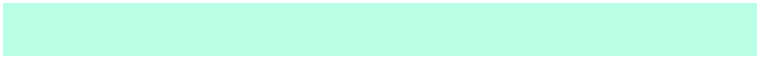


# Same Dimension

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



57.2091, 69.7589, 70.7723



69.5120, 87.2932, 86.9875



58.1319, 67.3891, 84.0756



14.5691, 16.2411, 17.2618



18.9660, 33.2185, 20.8533



1.4460, 2.4725, 1.7753



# Inverse Universe

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



57.4958, 51.2598, 58.4964



69.9362, 60.0305, 68.9045



56.6380, 52.9248, 47.7888



14.5966, 14.4558, 16.0762



19.4619, 9.9190, 6.0612

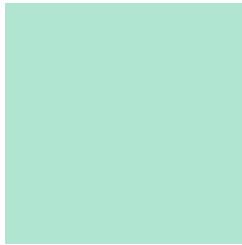


1.4819, 0.7505, 0.6780



# Previews

## White Background



This preview shows how the XYZ color 57.2071, 69.7560, 70.7707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

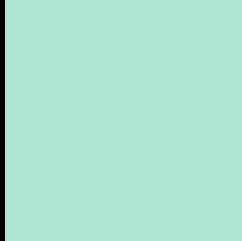
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.2071, 69.7560, 70.7707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

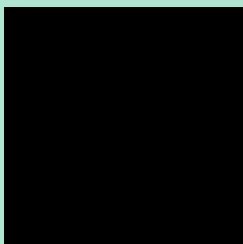
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

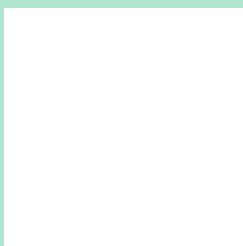
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.2071, 69.7560, 70.7707**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2071, 69.7560, 70.7707.



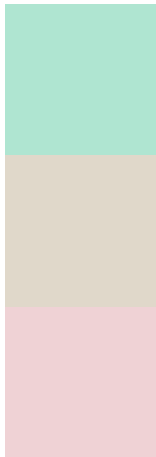
This preview shows how white text looks on a background with the XYZ color 57.2071, 69.7560,



# 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

57.2071, 69.7560, 70.7707

### Protanopia

65.9570, 69.2233, 65.7622

### Deuteranopia

70.6534, 69.2480, 72.5932



## Tritanopia

61.7387, 69.5459, 94.1741

# Trichromacy



## Original Color

57.2071, 69.7560, 70.7707

## Protanomaly

62.3295, 69.2425, 67.8376

## Deuteranomaly

65.0154, 68.9781, 72.1748

## Tritanomaly

60.0697, 69.6896, 85.1483

# Monochromacy



## Original Color

57.2071, 69.7560, 70.7707

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

59.9930, 66.8017, 70.7048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2071, 69.7560, 70.7707 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(175, 229, 209)` looks like.

```
.text, #text, p{  
    color:rgb(175, 229, 209)  
}
```

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(175, 229, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 229, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2071, 69.7560, 70.7707 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(175, 229, 209) }
```



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

```
.border{ border-color:rgb(175, 229, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 229, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 229, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 229, 209);  
box-shadow:4px 4px 4px 4px rgb(175, 229,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2071, 69.7560, 70.7707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 229, 209) }
```

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

```
.background{ background-color: rgb(175,  
229, 209) }
```

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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