

# Converting Colors

XYZ(57.4559, 65.1078, 86.4391)

Have a look what the booklet for  
XYZ(57.4559, 65.1078, 86.4391)  
contains.

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# Color

**XYZ(57.4586, 65.1400,  
86.6357)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFDAE9
RGB	175, 218, 233
RGB Percent	69%, 85%, 91%
CMY	0.3137, 0.1451, 0.0863
CMYK	0.25, 0.06, 0.00, 0.09
HSL	196°, 57%, 80%
HSV	196°, 25%, 91%
XYZ	57.4586, 65.1400, 86.6357
YIQ	206.8530, -30.4430, -4.4510

# Conversions

## Conversions Part 2

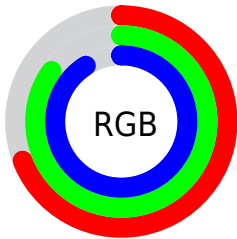
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	175, 200, 233
Decimal	11524841
CIE Lab	84.56, -10.66, -11.96
CIE LCh	85, 16.016, 228.292
Yxy	65.1400, 0.2746, 0.3113
Android (android.graphics.Color)	4289714921 (0xFFAFDAE9)
YUV	206.8530, 12.8905, -27.9351
Hunter-Lab	80.7094, -14.1637, -7.1470

# Details

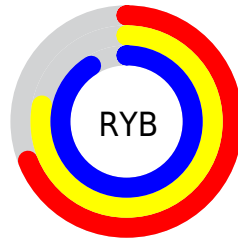
The XYZ color **57.4586, 65.1400, 86.6357** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.7563, 57.2460, 48.4590**, and the grayscale version is **59.1489, 62.2292, 67.7676**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **28.9182, 33.4337, 46.5242** is the 20% darker color. If you saturate the color by 10%, you get **51.1399, 59.6067, 85.9018**, and if you desaturate by 10%, it is **64.7403, 71.2573, 87.4337**.

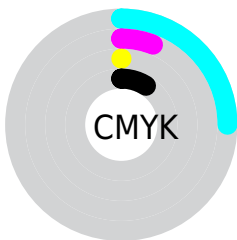
# Distribution



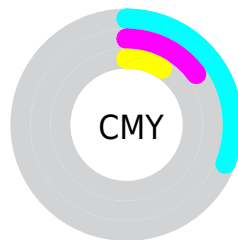
- Red (69%)
- Green (85%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4586, 65.1400, 86.6357 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 57.4586, 65.1400, 86.6357 by changing the saturation by 10% instead.



■ 57.4586, 65.1400,  
86.6357

■ 57.4586, 65.1400,  
86.6357

405.1520,  
443.2949, 537.3101

■ 41.6151, 47.5746,  
64.6359

■ 100.2615,  
112.2511, 144.5506

■ 28.9898, 33.4901,  
46.7164

127.9517,  
142.5656, 181.3028

■ 19.2174, 22.5022,  
32.4588

160.3215,  
177.8986, 223.8096

■ 11.9324, 14.2264,  
21.4444

197.7362,  
218.6345, 272.4894

■ 6.7695, 8.2783,  
13.2549

240.5613,  
265.1577, 327.7608

■ 3.3634, 4.2735,  
7.4715

289.1620,

■ 1.3487, 1.8277,

317.8526, 390.0424

3.6758

343.9038,  
377.1035, 459.7526

■ 0.2193, 0.5044,  
1.4492

■ 0.0000, 0.0000,  
0.1797

■ 57.4586, 65.1400,  
86.6357

■ 57.4586, 65.1400,  
86.6357

■ 51.1399, 59.6067,  
85.9018

■ 64.7403, 71.2573,  
87.4337

■ 45.7313, 54.6245,  
85.2252

■ 73.0228, 77.9740,  
88.2937

■ 41.1839, 50.1688,  
84.6048

■ 82.3488, 85.3148,  
89.2190

■ 37.4413, 46.2095,  
84.0379

■ 87.7312, 90.7094,  
89.9766

■ 34.4400, 42.7131,  
83.5212

■ 89.5552, 94.3573,  
90.5846

■ 32.1065, 39.6407,  
83.0511

■ 91.4388, 98.1244,  
91.2125

■ 30.3505, 36.9449,  
82.6233

■ 91.7082, 98.6633,  
91.3023

■ 29.6044, 35.6757,  
82.4177

# Harmonies

## Analogous

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



55.6231, 65.1400, 77.2762



57.4586, 65.1400, 86.6357



60.5313, 65.1400, 91.9668

# Triad

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



57.4586, 65.1400, 86.6357



68.8802, 65.1400, 74.9902



59.7844, 65.1400, 53.8528

# Complementary

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



57.4586, 65.1400, 86.6357



59.7563, 57.2460, 48.4590

# 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.



63.3168, 65.1400, 53.3679



57.4586, 65.1400, 86.6357



68.6614, 65.1400, 64.9343

# Square

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



57.4586, 65.1400, 86.6357



67.1800, 65.1400, 84.8243



66.5932, 65.1400, 57.2410



56.9299, 65.1400, 58.6360



# Rectangle

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



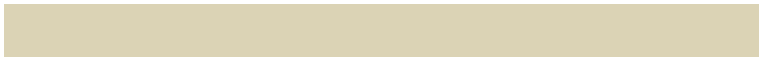
57.4586, 65.1400, 86.6357



62.9087, 65.1400, 92.2090



66.5932, 65.1400, 57.2410



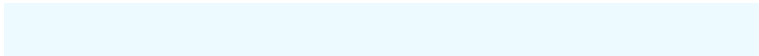
60.9291, 65.1400, 53.1998

# Sweetspot

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



57.4605, 65.1426, 86.6372



87.3303, 93.8607, 108.1219



56.0591, 71.0889, 59.1975



18.5562, 19.9805, 23.1286



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

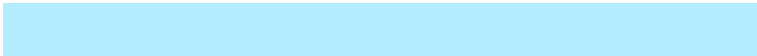


# Same Dimension

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



57.4605, 65.1426, 86.6372



66.2961, 76.2863, 105.8383



50.6939, 51.6093, 84.3816



15.1689, 16.4242, 19.2930



16.9032, 20.4534, 46.8000



1.4042, 1.7598, 3.7005



# Inverse Universe

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



61.5907, 53.0471, 73.3256



72.2871, 59.3110, 86.4014



66.5446, 70.8226, 50.7217



15.5388, 15.2434, 18.1226



23.3873, 11.5576, 23.6384

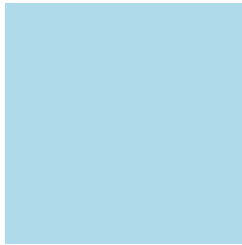


1.8753, 0.9231, 2.0605



# Previews

## White Background



This preview shows how the XYZ color 57.4586, 65.1400, 86.6357 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

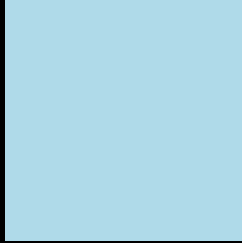
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4586, 65.1400, 86.6357 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 57.4586, 65.1400, 86.6357**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4586, 65.1400, 86.6357.



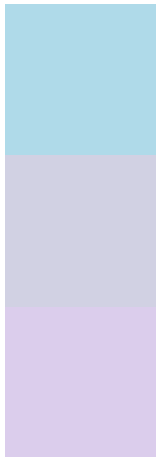
This preview shows how white text looks on a background with the XYZ color 57.4586, 65.1400,



# 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

57.4586, 65.1400, 86.6357

### Protanopia

62.9601, 64.7023, 81.8435

### Deuteranopia

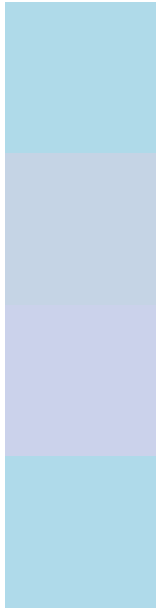
66.1851, 64.7788, 88.3721



## Tritanopia

57.7460, 65.2549, 88.1492

# Trichromacy



**Original Color**

57.4586, 65.1400, 86.6357

**Protanomaly**

60.7123, 64.6144, 83.4007

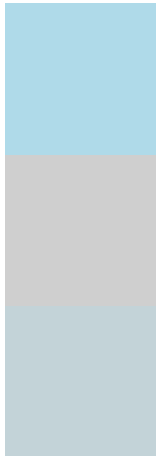
**Deuteranomaly**

62.6706, 64.7879, 87.7995

**Tritanomaly**

57.6019, 65.1973, 87.3903

# Monochromacy



**Original Color**

57.4586, 65.1400, 86.6357

**Achromatopsia**

59.3074, 62.3960, 67.9493

**Achromatomaly**

58.1946, 63.1485, 74.0874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4586, 65.1400, 86.6357 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, 218, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 218, 233)  
}
```

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, 218, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 218, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4586, 65.1400, 86.6357 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, 218, 233) }
```



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

```
.border{ border-color:rgb(175, 218, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 218, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 218, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 218, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 218,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4586, 65.1400, 86.6357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 218, 233) }
```

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

```
.background{ background-color: rgb(175,  
218, 233) }
```

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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