

# Converting Colors

XYZ(57.2180, 70.5695, 68.2413)

Have a look what the booklet for  
XYZ(57.2180, 70.5695, 68.2413)  
contains.

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# Color

**XYZ(57.2746, 70.6736,  
68.3803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE7CD
RGB	175, 231, 205
RGB Percent	69%, 91%, 80%
CMY	0.3137, 0.0941, 0.1961
CMYK	0.24, 0.00, 0.11, 0.09
HSL	152°, 54%, 80%
HSV	152°, 24%, 91%
XYZ	57.2746, 70.6736, 68.3803
YIQ	211.2920, -25.0300, -19.9580

# Conversions

## Conversions Part 2

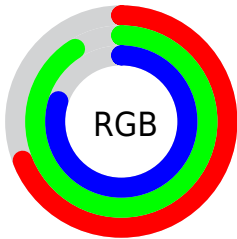
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 211, 231
Decimal	11528141
CIELab	87.33, -23.05, 6.88
CIELCh	87, 24.053, 163.388
Yxy	70.6736, 0.2917, 0.3600
Android (android.graphics.Color)	4289718221 (0xFFAFE7CD)
YUV	211.2920, -3.1020, -31.8281
Hunter-Lab	84.0676, -25.5076, 10.6210

# Details

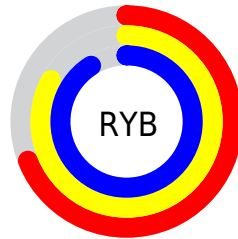
The XYZ color **57.2746, 70.6736, 68.3803** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.8301, 51.8678, 62.1722**, and the grayscale version is **62.1433, 65.3795, 71.1983**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **28.8010, 36.9593, 34.8940** is the 20% darker color. If you saturate the color by 10%, you get **51.2763, 67.7278, 61.5718**, and if you desaturate by 10%, it is **64.2525, 74.1180, 75.7011**.

# Distribution



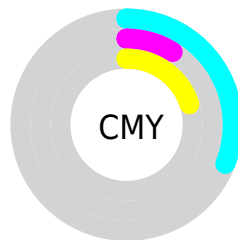
- Red (69%)
- Green (91%)
- Blue (80%)



- Red (69%)
- Yellow (83%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2746, 70.6736, 68.3803 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 57.2746, 70.6736, 68.3803 by changing the saturation by 10% instead.





 57.2746, 70.6736,  
68.3803

 57.2746, 70.6736,  
68.3803


404.4750,  
462.9116, 473.4769

 41.4667, 52.0759,  
49.7386


 99.9948, 120.1689,  
118.5554

 28.8733, 37.0656,  
34.8360


127.6379,  
151.8352, 150.9258

 19.1288, 25.2583,  
23.2540


159.9567,  
188.6265, 188.7095

 11.8679, 16.2696,  
14.5741

197.3167,  
230.9272, 232.3251

 6.7254, 9.7151,  
8.3778

240.0831,  
279.1216, 282.1911

 3.3357, 5.2105,  
4.2464


288.6215,

 1.3337, 2.3713,


333.5943, 338.7261


1.7615


343.2970,  
394.7295, 402.3484


 0.2082, 0.8111,  
0.4024


 0.0000, 0.0000,  
0.0000


 57.2746, 70.6736,  
68.3803

 57.2746, 70.6736,  
68.3803


 51.2763, 67.7278,  
61.5718


 64.2525, 74.1180,  
75.7011


 46.2049, 65.2479,  
55.2593

 72.2477, 78.0744,  
83.5403

 42.0114, 63.2107,  
49.4326

 81.3032, 82.5668,  
91.9102

 38.6397, 61.5875,  
44.0792

 86.7458, 85.1859,  
100.6006

■ 36.0268, 60.3461,  
39.1860

■ 87.8672, 85.6345,  
106.5057

■ 34.1002, 59.4493,  
34.7391

■ 32.7716, 58.8519,  
30.7234

■ 32.1992, 58.6033,  
28.5990

# Harmonies

## Analogous

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



59.9710, 70.6736, 56.4505



57.2746, 70.6736, 68.3803



57.1322, 70.6736, 84.3964

# Triad

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



57.2746, 70.6736, 68.3803



69.7247, 70.6736, 111.4301



75.3966, 70.6736, 57.4651

# Complementary

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



57.2746, 70.6736, 68.3803



58.8301, 51.8678, 62.1722

# 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.



78.3265, 70.6736, 69.9579



57.2746, 70.6736, 68.3803



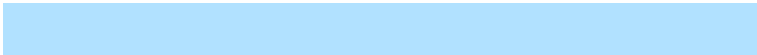
74.9300, 70.6736, 101.8974

# Square

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



57.2746, 70.6736, 68.3803



64.1095, 70.6736, 110.8501



78.1511, 70.6736, 86.2107



70.3328, 70.6736, 50.7814



# Rectangle

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



57.2746, 70.6736, 68.3803



58.4897, 70.6736, 95.4098



78.1511, 70.6736, 86.2107



76.6761, 70.6736, 61.0421

# Sweetspot

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



57.2766, 70.6765, 68.3819



87.4792, 96.2480, 101.7299



60.4395, 72.6861, 51.4029



18.5910, 20.5351, 21.6453



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

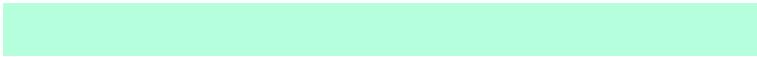


# Same Dimension

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



57.2766, 70.6765, 68.3819



67.8342, 86.5524, 81.3030



60.1616, 70.9990, 86.1381



14.5105, 16.2176, 16.9529



18.1139, 32.8777, 16.3660



1.3854, 2.4483, 1.4560



# Inverse Universe

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



58.8301, 51.8678, 62.1722



70.0895, 59.2543, 72.2936



56.3908, 51.4774, 47.5225



14.6540, 14.4788, 16.3785



20.0318, 10.1469, 9.0622

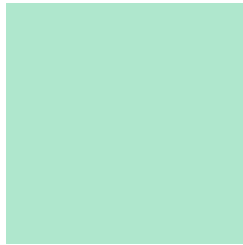


1.5268, 0.7684, 0.9147



# Previews

## White Background



This preview shows how the XYZ color 57.2746, 70.6736, 68.3803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

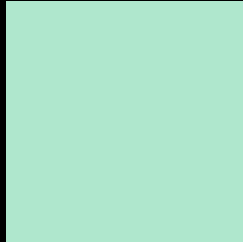
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.2746, 70.6736, 68.3803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

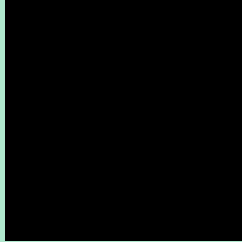
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

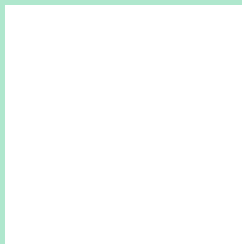
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.2746, 70.6736, 68.3803**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2746, 70.6736, 68.3803.



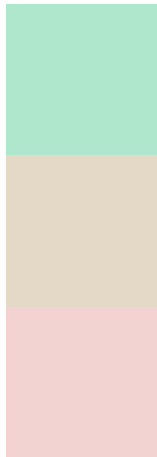
This preview shows how white text looks on a background with the XYZ color 57.2746, 70.6736,



# 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

57.2746, 70.6736, 68.3803

### Protanopia

66.6845, 70.0338, 63.4293

### Deuteranopia

71.4208, 70.0692, 70.0820



## Tritanopia

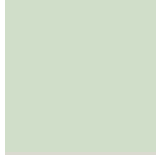
62.3943, 70.2666, 95.0683

# Trichromacy



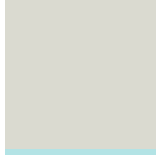
## Original Color

57.2746, 70.6736, 68.3803



## Protanomaly

62.6763, 69.8695, 65.4411



## Deuteranomaly

65.3700, 69.6023, 69.6637



## Tritanomaly

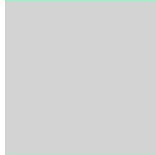
60.2023, 70.1790, 84.5016

# Monochromacy



## Original Color

57.2746, 70.6736, 68.3803



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.8687, 66.7520, 70.0506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2746, 70.6736, 68.3803 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, 231, 205)` looks like.

```
.text, #text, p{  
    color:rgb(175, 231, 205)  
}
```

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, 231, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 231, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2746, 70.6736, 68.3803 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, 231, 205) }
```



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

```
.border{ border-color:rgb(175, 231, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 231, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 231, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 231, 205);  
box-shadow:4px 4px 4px 4px rgb(175, 231,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2746, 70.6736, 68.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 231, 205) }
```

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

```
.background{ background-color: rgb(175,  
231, 205) }
```

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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