

# Converting Colors

XYZ(57.7213, 72.5664, 56.4379)

Have a look what the booklet for  
XYZ(57.7213, 72.5664, 56.4379)  
contains.

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# Color

**XYZ(57.6030, 72.3736,  
56.2809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7EAB8
RGB	183, 234, 184
RGB Percent	72%, 92%, 72%
CMY	0.2823, 0.0823, 0.2784
CMYK	0.22, 0.00, 0.21, 0.08
HSL	121°, 55%, 82%
HSV	121°, 22%, 92%
XYZ	57.6030, 72.3736, 56.2809
YIQ	213.0510, -14.3460, -26.3620

# Conversions

## Conversions Part 2

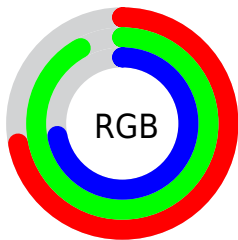
Format	Color
<a href="#">RYB</a>	<a href="#">183, 233, 234</a>
Decimal	<a href="#">12053176</a>
CIELab	<a href="#">88.15, -25.79, 19.06</a>
CIELCh	<a href="#">88, 32.064, 143.533</a>
Yxy	<a href="#">72.3736, 0.3093, 0.3886</a>
Android (android.graphics.Color)	<a href="#">4290243256 (0xFFB7EAB8)</a>
YUV	<a href="#">213.0510, -14.3221, -26.3547</a>
Hunter-Lab	<a href="#">85.0727, -28.0142, 20.3268</a>

# Details

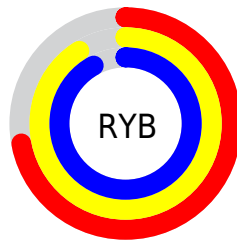
The XYZ color **57.6030, 72.3736, 56.2809** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.5757, 57.2442, 84.6870**, and the grayscale version is **63.3812, 66.6820, 72.6167**.

A 20% lighter version of the original color is **87.4234, 96.3365, 96.4252**, and **29.0704, 38.1466, 27.3036** is the 20% darker color. If you saturate the color by 10%, you get **50.2801, 68.8563, 44.3868**, and if you desaturate by 10%, it is **66.2451, 76.5301, 70.2755**.

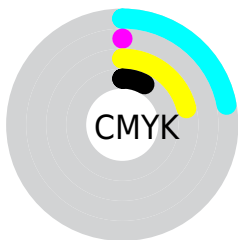
# Distribution



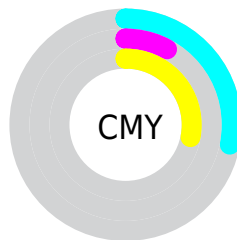
- Red (72%)
- Green (92%)
- Blue (72%)



- Red (72%)
- Yellow (91%)
- Blue (92%)



- Cyan (22%)
- Magenta (0%)
- Yellow (21%)
- Black (8%)



- Cyan (28%)
- Magenta (8%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6030, 72.3736, 56.2809 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 57.6030, 72.3736, 56.2809 by changing the saturation by 10% instead.



■ 57.6030, 72.3736,  
56.2809

■ 57.6030, 72.3736,  
56.2809

405.6827,  
468.8409, 428.1673

■ 41.7316, 53.4639,  
40.0227

■ 100.4708,  
122.5875, 100.9051

■ 29.0814, 38.1732,  
27.2423

128.1979,  
154.6606, 130.1081

■ 19.2870, 26.1172,  
17.5212

160.6076,  
191.8902, 164.4631

■ 11.9831, 16.9113,  
10.4409

198.0653,  
234.6608, 204.3887

■ 6.8043, 10.1713,  
5.5829

240.9363,  
283.3568, 250.3033

■ 3.3852, 5.5127,  
2.5285


289.5860,

■ 1.3606, 2.5511,


338.3626, 302.6256


0.8552


344.3797,  
400.0625, 361.7741

 0.2279, 0.9021,  
0.0000


 0.0000, 0.0000,  
0.0000


 57.6030, 72.3736,  
56.2809


 57.6030, 72.3736,  
56.2809


 50.2801, 68.8563,  
44.3868


 66.2451, 76.5301,  
70.2755


 44.2062, 65.9379,  
34.4874

 76.2607, 81.3455,  
86.4600

 39.3133, 63.5878,  
26.4750

 87.7081, 86.8500,  
104.9244

 35.5246, 61.7690,  
20.2298

 88.7142, 87.3285,  
106.7881

■ 32.7543, 60.4400,  
15.6181

■ 30.9039, 59.5535,  
12.4876

■ 29.8555, 59.0524,  
10.6572

■ 29.4494, 58.8585,  
9.9405

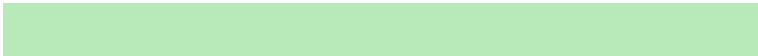
# Harmonies

## Analogous

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



63.0699, 72.3736, 46.0899



57.6030, 72.3736, 56.2809



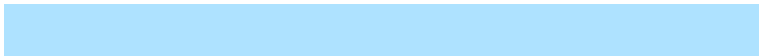
55.1577, 72.3736, 74.1429

# Triad

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



57.6030, 72.3736, 56.2809



67.1421, 72.3736, 128.6303



83.2072, 72.3736, 63.1207

# Complementary

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



57.6030, 72.3736, 56.2809



65.5757, 57.2442, 84.6870

# 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.



84.4991, 72.3736, 83.6535



57.6030, 72.3736, 56.2809



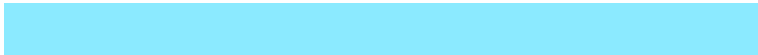
74.8436, 72.3736, 124.1875

# Square

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



57.6030, 72.3736, 56.2809



60.3948, 72.3736, 117.8593



81.3366, 72.3736, 106.6499



77.9269, 72.3736, 49.4959



# Rectangle

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



57.6030, 72.3736, 56.2809



55.4304, 72.3736, 89.0993



81.3366, 72.3736, 106.6499



84.1378, 72.3736, 69.3314

# Sweetspot

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



57.6049, 72.3767, 56.2825



86.0944, 95.6941, 94.4376



71.6265, 79.6171, 56.3930



18.2710, 20.4071, 19.9602



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

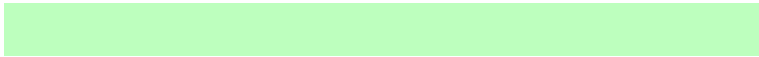


# Same Dimension

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



57.6049, 72.3767, 56.2825



65.9663, 86.0182, 61.8420



60.5054, 73.5369, 71.5562



14.8803, 16.8669, 16.0526



16.5535, 33.0759, 5.6138



1.3041, 2.5989, 0.4631



# Inverse Universe

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



65.5757, 57.2442, 84.6870



77.2144, 64.6628, 101.9251



62.2096, 55.8978, 66.9615



15.7013, 15.3084, 18.9784



27.0533, 13.0240, 42.9437

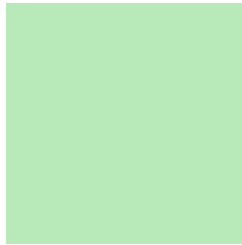


2.1284, 1.0243, 3.3936



# Previews

## White Background



This preview shows how the XYZ color 57.6030, 72.3736, 56.2809 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 57.6030, 72.3736, 56.2809 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

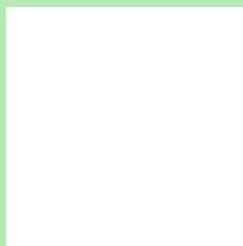
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.6030, 72.3736, 56.2809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6030, 72.3736, 56.2809.



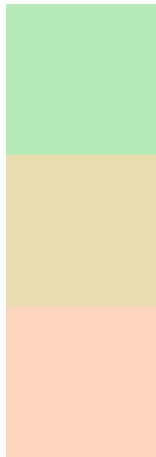
This preview shows how white text looks on a background with the XYZ color 57.6030, 72.3736,



# 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

57.6030, 72.3736, 56.2809

### Protanopia

67.4607, 71.8531, 51.9085

### Deuteranopia

73.2368, 71.6437, 58.1127



## Tritanopia

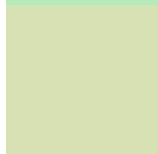
65.5178, 72.2618, 96.0827

# Trichromacy



## Original Color

57.6030, 72.3736, 56.2809



## Protanomaly

63.1878, 71.5928, 53.6685



## Deuteranomaly

66.5577, 71.2682, 57.2619



## Tritanomaly

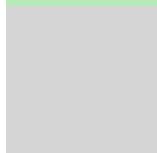
62.1904, 72.1314, 79.7522

# Monochromacy



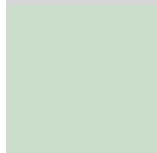
## Original Color

57.6030, 72.3736, 56.2809



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

60.8742, 68.5337, 65.8970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6030, 72.3736, 56.2809 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(183, 234, 184)` looks like.

```
.text, #text, p{  
    color:rgb(183, 234, 184)  
}
```

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(183, 234, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 234, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6030, 72.3736, 56.2809 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(183, 234, 184) }
```



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

```
.border{ border-color:rgb(183, 234, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 234, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 234, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 234, 184);  
box-shadow:4px 4px 4px 4px rgb(183, 234,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6030, 72.3736, 56.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 234, 184) }
```

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

```
.background{ background-color: rgb(183,  
234, 184) }
```

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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