

# Converting Colors

XYZ(56.7114, 68.6590, 58.0943)

Have a look what the booklet for  
XYZ(56.7114, 68.6590, 58.0943)  
contains.

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# Color

**XYZ(56.5232, 68.4627,  
57.8125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE2BC
RGB	186, 226, 188
RGB Percent	73%, 89%, 74%
CMY	0.2706, 0.1137, 0.2627
CMYK	0.18, 0.00, 0.17, 0.11
HSL	123°, 41%, 81%
HSV	123°, 18%, 89%
XYZ	56.5232, 68.4627, 57.8125
YIQ	209.7080, -11.6420, -20.2980

# Conversions

## Conversions Part 2

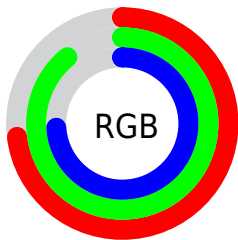
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	186, 224, 226
Decimal	12247740
CIE Lab	86.24, -20.21, 14.32
CIE LCh	86, 24.769, 144.680
Yxy	68.4627, 0.3092, 0.3745
Android (android.graphics.Color)	4290437820 (0xFFBAE2BC)
YUV	209.7080, -10.7020, -20.7919
Hunter-Lab	82.7422, -22.8611, 16.4932

# Details

The XYZ color **56.5232, 68.4627, 57.8125** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3799, 56.6700, 78.1748**, and the grayscale version is **61.1421, 64.3262, 70.0512**.

A 20% lighter version of the original color is **88.7071, 96.9289, 99.6217**, and **28.4518, 35.7806, 28.3285** is the 20% darker color. If you saturate the color by 10%, you get **49.3160, 64.9971, 46.2790**, and if you desaturate by 10%, it is **64.9469, 72.5196, 71.2032**.

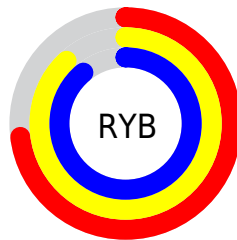
# Distribution



Red (73%)

Green (89%)

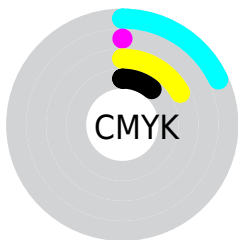
Blue (74%)



Red (73%)

Yellow (88%)

Blue (89%)

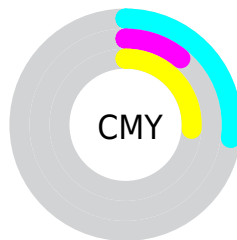


Cyan (18%)

Magenta (0%)

Yellow (17%)

Black (11%)



Cyan (27%)

Magenta (11%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5232, 68.4627, 57.8125 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 56.5232, 68.4627, 57.8125 by changing the saturation by 10% instead.



■ 56.5232, 68.4627,  
57.8125

■ 56.5232, 68.4627,  
57.8125

401.7034,  
455.1336, 434.0656

■ 40.8612, 50.2743,  
41.2442

■ 98.9045, 117.0138,  
103.1618

■ 28.3978, 35.6314,  
28.1888

126.3546,  
148.1453, 132.7800

■ 18.7678, 24.1496,  
18.2278

158.4646,  
184.3599, 167.5852

■ 11.6056, 15.4446,  
10.9425

195.6001,  
226.0420, 207.9960

■ 6.5460, 9.1320,  
5.9145

238.1264,  
273.5761, 254.4308

■ 3.2236, 4.8274,  
2.7252


286.4088,

■ 1.2731, 2.1464,


327.3464, 307.3084

0.9561


340.8127,  
387.7375, 367.0471


 0.1629, 0.6905,  
0.0000


 0.0000, 0.0000,  
0.0000


 56.5232, 68.4627,  
57.8125


 56.5232, 68.4627,  
57.8125

 49.3160, 64.9971,  
46.2790


 64.9469, 72.5196,  
71.2032

 43.2639, 62.0869,  
36.5166

 74.6337, 77.1843,  
86.5232

 38.3084, 59.7059,  
28.4388

 85.6348, 82.4835,  
103.8463

 34.3838, 57.8222,  
21.9504

 86.4877, 82.8754,  
106.0459

■ 31.4174, 56.4007,  
16.9466

■ 29.3269, 55.4013,  
13.3100

■ 28.0163, 54.7775,  
10.9058

■ 27.3581, 54.4671,  
9.5709

■ 27.2599, 54.4203,  
9.3933

# Harmonies

## Analogous

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



60.5968, 68.4627, 49.4810



56.5232, 68.4627, 57.8125



54.7465, 68.4627, 71.6685

# Triad

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



56.5232, 68.4627, 57.8125



64.0597, 68.4627, 110.4151



75.5598, 68.4627, 62.1777

# Complementary

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



56.5232, 68.4627, 57.8125



62.3799, 56.6700, 78.1748

# 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.



76.6198, 68.4627, 77.4959



56.5232, 68.4627, 57.8125



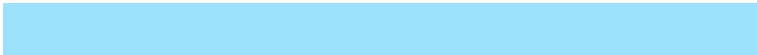
69.7617, 68.4627, 106.8991

# Square

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



56.5232, 68.4627, 57.8125



58.9320, 68.4627, 103.2367



74.4415, 68.4627, 94.2278



71.6238, 68.4627, 51.7313



# Rectangle

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



56.5232, 68.4627, 57.8125



55.0241, 68.4627, 82.7948



74.4415, 68.4627, 94.2278



76.2736, 68.4627, 66.8608

# Sweetspot

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



56.5250, 68.4656, 57.8140



88.6245, 96.9058, 98.7387



66.8027, 73.7887, 57.1769



18.7834, 20.6523, 20.8397



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

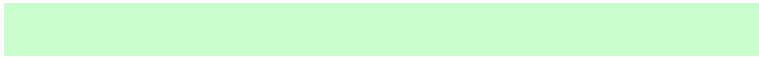


# Same Dimension

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



56.5250, 68.4656, 57.8140



70.8830, 88.3657, 70.5276



58.8333, 69.3889, 69.9692



13.5564, 15.3483, 14.6994



15.5637, 31.0503, 5.4257



1.0887, 2.1562, 0.4284



# Inverse Universe

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



62.3799, 56.6700, 78.1748



79.8535, 70.2921, 101.7223



59.8242, 55.6477, 64.7166



14.2639, 13.9232, 17.1597



24.8822, 12.0199, 37.6412



1.7339, 0.8368, 2.6577



# Previews

## White Background



This preview shows how the XYZ color 56.5232, 68.4627, 57.8125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

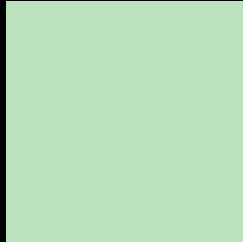
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5232, 68.4627, 57.8125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

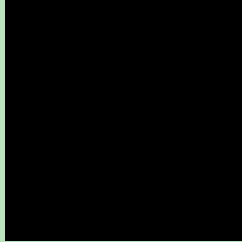
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.5232, 68.4627, 57.8125**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.5232, 68.4627, 57.8125.



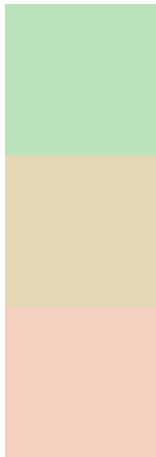
This preview shows how white text looks on a background with the XYZ color 56.5232, 68.4627,

57.8125.

# 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

56.5232, 68.4627, 57.8125

### Protanopia

64.4225, 68.3092, 54.0455

### Deuteranopia

69.4834, 67.8439, 59.3022



## Tritanopia

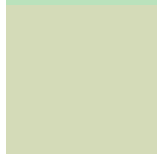
62.8657, 68.2468, 89.9803

# Trichromacy



## Original Color

56.5232, 68.4627, 57.8125



## Protanomaly

61.1346, 68.1208, 55.2739



## Deuteranomaly

64.1910, 67.7020, 58.9748



## Tritanomaly

60.3933, 68.4334, 77.0437

# Monochromacy



## Original Color

56.5232, 68.4627, 57.8125



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

59.3039, 65.7935, 65.4509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5232, 68.4627, 57.8125 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(186, 226, 188)` looks like.

```
.text, #text, p{  
    color:rgb(186, 226, 188)  
}
```

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(186, 226, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 226, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5232, 68.4627, 57.8125 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(186, 226, 188) }
```



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

```
.border{ border-color:rgb(186, 226, 188) }
```

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

Here you see how a box with a 4 pixel rgb(186, 226, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 226, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 226, 188);  
box-shadow:4px 4px 4px 4px rgb(186, 226,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5232, 68.4627, 57.8125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 226, 188) }
```

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

```
.background{ background-color: rgb(186,  
226, 188) }
```

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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