

# Converting Colors

XYZ(56.8895, 71.2590, 59.6380)

Have a look what the booklet for  
XYZ(56.8895, 71.2590, 59.6380)  
contains.

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# Color

**XYZ(56.7413, 71.0146,  
59.4318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E8BE
RGB	179, 232, 190
RGB Percent	70%, 91%, 75%
CMY	0.2980, 0.0902, 0.2549
CMYK	0.23, 0.00, 0.18, 0.09
HSL	132°, 54%, 81%
HSV	132°, 23%, 91%
XYZ	56.7413, 71.0146, 59.4318
YIQ	211.3650, -18.1060, -24.2980

# Conversions

## Conversions Part 2

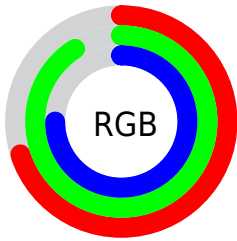
Format	Color
<b>RYB</b>	179, 223, 232
Decimal	11790526
CIELab	87.49, -25.08, 14.99
CIELCh	87, 29.215, 149.140
Yxy	71.0146, 0.3031, 0.3794
Android (android.graphics.Color)	4289980606 (0xFFB3E8BE)
YUV	211.3650, -10.5329, -28.3841
Hunter-Lab	84.2702, -27.2841, 17.1747

# Details

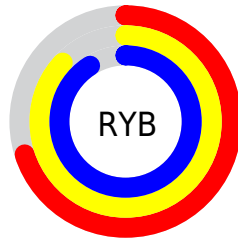
The XYZ color **56.7413, 71.0146, 59.4318** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.4524, 54.6182, 75.6605**, and the grayscale version is **62.2359, 65.4770, 71.3044**.

A 20% lighter version of the original color is **86.6555, 95.8360, 101.1197**, and **28.4981, 37.2168, 29.3485** is the 20% darker color. If you saturate the color by 10%, you get **49.9394, 67.7278, 49.2776**, and if you desaturate by 10%, it is **64.7027, 74.8738, 70.9666**.

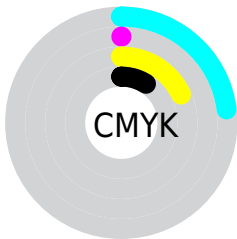
# Distribution



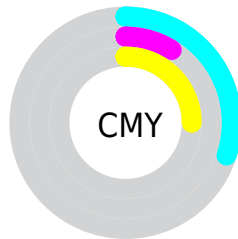
- Red (70%)
- Green (91%)
- Blue (75%)



- Red (70%)
- Yellow (87%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)



- Cyan (30%)
- Magenta (9%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7413, 71.0146, 59.4318 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 56.7413, 71.0146, 59.4318 by changing the saturation by 10% instead.





 56.7413, 71.0146,  
59.4318

 56.7413, 71.0146,  
59.4318


402.5091,  
464.1045, 440.2466

 41.0369, 52.3541,  
42.5385


 99.2212, 120.6545,  
105.5403

 28.5357, 37.2874,  
29.1945


126.7273,  
152.4027, 135.5925

 18.8724, 25.4301,  
18.9811


158.8981,  
189.2823, 170.8682

 11.6816, 16.3978,  
11.4800

196.0989,  
231.6776, 211.7858

 6.5979, 9.8061,  
6.2724

238.6950,  
279.9731, 258.7639

 3.2560, 5.2706,  
2.9400


287.0519,


 1.2905, 2.4069,

334.5532, 312.2211


1.0641


341.5348,  
395.8022, 372.5758


 0.1761, 0.8294,  
0.0000


 0.0000, 0.0000,  
0.0000


 56.7413, 71.0146,  
59.4318


 56.7413, 71.0146,  
59.4318


 49.9394, 67.7278,  
49.2776


 64.7027, 74.8738,  
70.9666


 44.2368, 64.9776,  
40.4475

 73.8687, 79.3218,  
83.9261

 39.5763, 62.7375,  
32.8884

 84.2891, 84.3850,  
98.3584

 35.8933, 60.9755,  
26.5413

 88.1479, 86.1959,  
106.5993

■ 33.1159, 59.6559,  
21.3431

■ 31.1617, 58.7376,  
17.2244

■ 29.9325, 58.1716,  
14.1085

■ 29.3946, 57.9305,  
12.4450

# Harmonies

## Analogous

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



61.2434, 71.0146, 48.6679



56.7413, 71.0146, 59.4318



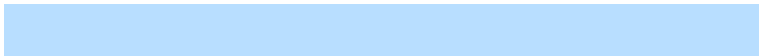
55.0867, 71.0146, 76.7543

# Triad

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



56.7413, 71.0146, 59.4318



67.2984, 71.0146, 121.8545



79.7554, 71.0146, 60.2639

# Complementary

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



56.7413, 71.0146, 59.4318



62.4524, 54.6182, 75.6605

# 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.



81.6445, 71.0146, 77.8942



56.7413, 71.0146, 59.4318



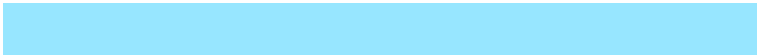
74.1630, 71.0146, 115.4655

# Square

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



56.7413, 71.0146, 59.4318



60.9209, 71.0146, 114.7226



79.5332, 71.0146, 98.4860



74.5306, 71.0146, 49.0876



# Rectangle

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



56.7413, 71.0146, 59.4318



55.7281, 71.0146, 90.4561



79.5332, 71.0146, 98.4860



80.8167, 71.0146, 65.5265

# Sweetspot

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



56.7432, 71.0176, 59.4334



86.5906, 95.8925, 97.0505



66.9368, 76.4063, 53.8687



18.3855, 20.4529, 20.5631



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

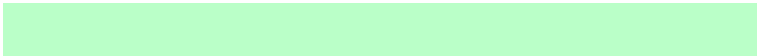


# Same Dimension

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



56.7432, 71.0176, 59.4334



66.5229, 86.1686, 68.0391



59.8568, 72.2630, 75.8295



14.3111, 16.1379, 15.9028



16.3547, 32.1740, 7.1023



1.2419, 2.3909, 0.7002



# Inverse Universe

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



62.4524, 54.6182, 75.6605



74.6645, 62.7747, 91.1743



59.2400, 53.3332, 58.7441



14.8602, 14.5613, 17.4644



23.3166, 11.4609, 26.3601

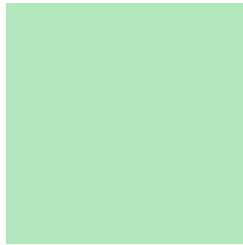


1.7554, 0.8599, 2.1182



# Previews

## White Background



This preview shows how the XYZ color 56.7413, 71.0146, 59.4318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

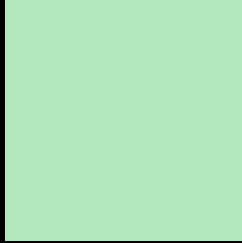
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7413, 71.0146, 59.4318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

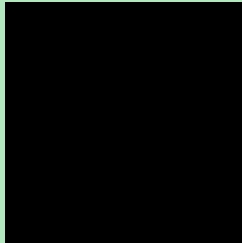
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.7413, 71.0146, 59.4318**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.7413, 71.0146, 59.4318.



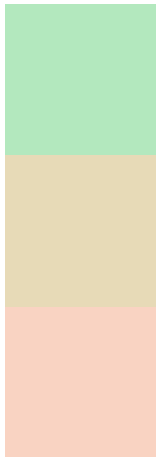
This preview shows how white text looks on a background with the XYZ color 56.7413, 71.0146,

59.4318.

# 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

56.7413, 71.0146, 59.4318

### Protanopia

66.5736, 70.5506, 54.9086

### Deuteranopia

72.0988, 70.6233, 60.8706



## **Tritanopia**

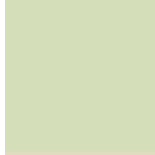
64.0891, 71.1403, 95.1476

# Trichromacy



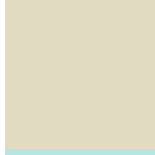
## Original Color

56.7413, 71.0146, 59.4318



## Protanomaly

62.4020, 70.3176, 56.7381



## Deuteranomaly

65.6976, 70.3606, 60.5704



## Tritanomaly

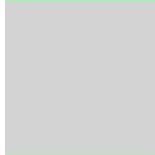
61.2055, 71.1829, 81.0348

# Monochromacy



## Original Color

56.7413, 71.0146, 59.4318



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.6642, 67.1169, 66.3101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7413, 71.0146, 59.4318 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(179, 232, 190)` looks like.

```
.text, #text, p{  
    color:rgb(179, 232, 190)  
}
```

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(179, 232, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 232, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7413, 71.0146, 59.4318 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(179, 232, 190) }
```



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

```
.border{ border-color:rgb(179, 232, 190) }
```

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

Here you see how a box with a 4 pixel rgb(179, 232, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 232, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 232, 190);  
box-shadow:4px 4px 4px 4px rgb(179, 232,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7413, 71.0146, 59.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 232, 190) }
```

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

```
.background{ background-color: rgb(179,  
232, 190) }
```

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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