

Converting Colors

XYZ(56.8009, 71.5561, 57.4500)

Have a look what the booklet for
XYZ(56.8009, 71.5561, 57.4500)
contains.

XYZ(56.8242, 71.5263, 57.2654)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.8242, 71.5263,
57.2654)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E9BA
RGB	180, 233, 186
RGB Percent	71%, 91%, 73%
CMY	0.2941, 0.0863, 0.2706
CMYK	0.23, 0.00, 0.20, 0.09
HSL	127°, 55%, 81%
HSV	127°, 23%, 91%
XYZ	56.8242, 71.5263, 57.2654
YIQ	211.7950, -16.5010, -25.8530

Conversions

Conversions Part 2

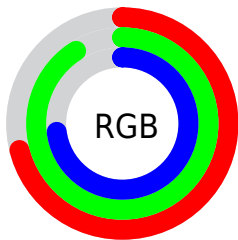
Format	Color
RYB	180, 228, 233
Decimal	11856314
CIELab	87.74, -25.94, 17.42
CIELCh	88, 31.251, 146.114
Yxy	71.5263, 0.3061, 0.3853
Android (android.graphics.Color)	4290046394 (0xFFB4E9BA)
YUV	211.7950, -12.7169, -27.8842
Hunter-Lab	84.5732, -28.0701, 19.0554

Details

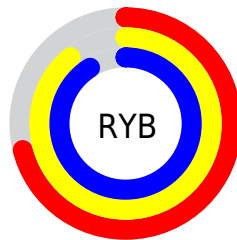
The XYZ color **56.8242, 71.5263, 57.2654** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.7931, 55.5137, 80.0290**, and the grayscale version is **62.5343, 65.7910, 71.6464**.

A 20% lighter version of the original color is **86.7121, 95.9353, 97.9516**, and **28.5600, 37.5734, 27.9374** is the 20% darker color. If you saturate the color by 10%, you get **49.8091, 68.1476, 46.2881**, and if you desaturate by 10%, it is **65.0727, 75.5081, 69.9615**.

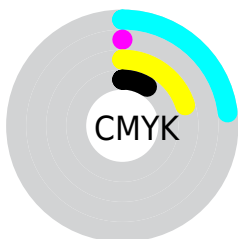
Distribution



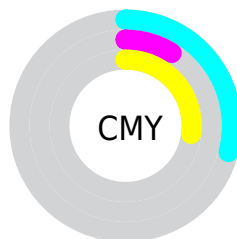
- Red (71%)
- Green (91%)
- Blue (73%)



- Red (71%)
- Yellow (89%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)



- Cyan (29%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8242, 71.5263, 57.2654 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 56.8242, 71.5263, 57.2654 by changing the saturation by 10% instead.

■ 56.8242, 71.5263,
57.2654

■ 56.8242, 71.5263,
57.2654

402.8151,
465.8911, 431.9646

■ 41.1037, 52.7718,
40.8076

■ 99.3415, 121.3828,
102.3565

■ 28.5882, 37.6206,
27.8502

126.8689,
153.2536, 131.8269

■ 18.9122, 25.6884,
17.9747

159.0628,
190.2653, 166.4719

■ 11.7105, 16.5907,
10.7626

196.2884,
232.8023, 206.7100

■ 6.6176, 9.9431,
5.7953

238.9110,
281.2490, 252.9598

■ 3.2683, 5.3612,
2.6542


287.2961,

■ 1.2972, 2.4607,


335.9898, 305.6398


0.9203


341.8090,
397.4090, 365.1685


 0.1811, 0.8569,
0.0000


 0.0000, 0.0000,
0.0000


 56.8242, 71.5263,
57.2654


 56.8242, 71.5263,
57.2654


 49.8091, 68.1476,
46.2881


 65.0727, 75.5081,
69.9615

 43.9624, 65.3342,
36.9514

 74.6038, 80.1110,
84.4409

 39.2221, 63.0576,
29.1777

 85.4714, 85.3633,
100.7704

 35.5180, 61.2836,
22.8817

 88.4303, 86.7606,
106.6934

■ 32.7716, 59.9736,
17.9697

■ 30.8934, 59.0838,
14.3374

■ 29.7763, 58.5615,
11.8655

■ 29.3310, 58.3569,
10.7178

Harmonies

Analogous

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



61.9008, 71.5263, 46.6754



56.8242, 71.5263, 57.2654



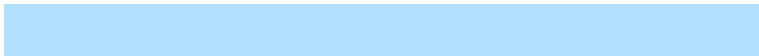
54.7313, 71.5263, 75.1460

Triad

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



56.8242, 71.5263, 57.2654



67.0222, 71.5263, 126.1195



81.6022, 71.5263, 61.2586

Complementary

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



56.8242, 71.5263, 57.2654



63.7931, 55.5137, 80.0290

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.



83.2191, 71.5263, 80.6795



56.8242, 71.5263, 57.2654



74.4524, 71.5263, 120.5855

Square

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



56.8242, 71.5263, 57.2654



60.3422, 71.5263, 116.9205



80.5160, 71.5263, 102.9288



76.2443, 71.5263, 48.6698

Rectangle

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



56.8242, 71.5263, 57.2654



55.1888, 71.5263, 89.7681



80.5160, 71.5263, 102.9288



82.6172, 71.5263, 67.0907

Sweetspot

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



56.8261, 71.5293, 57.2670



86.3404, 95.7925, 95.7330



69.2799, 78.0217, 54.5889



18.3277, 20.4298, 20.2590



0.0000, 0.0000, 0.0000



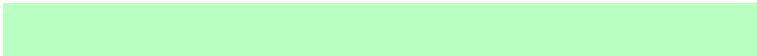
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8261, 71.5293, 57.2670



65.7776, 85.8705, 64.1143



59.8218, 72.7276, 73.0423



14.9377, 16.8899, 16.3546



16.6648, 33.1204, 6.1998



1.3315, 2.6099, 0.6077

Inverse Universe

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



63.7931, 55.5137, 80.0290



75.6507, 63.1691, 96.3673



60.4939, 54.1940, 62.6555



15.6371, 15.2827, 18.6401



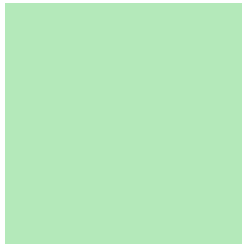
25.4614, 12.3872, 34.5606



2.0203, 0.9811, 2.8240

Previews

White Background



This preview shows how the XYZ color 56.8242, 71.5263, 57.2654 looks on a white background.

Color Contrast Check

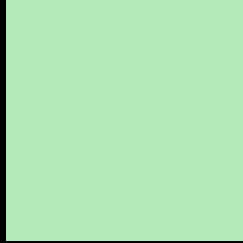
Large Text (above 18pt) WCAG AA × Fail

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 56.8242, 71.5263, 57.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

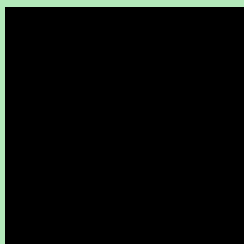
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

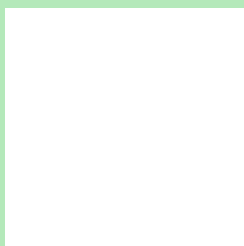
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8242, 71.5263, 57.2654

Background



This preview shows how black text looks on a background with the XYZ color 56.8242, 71.5263, 57.2654.



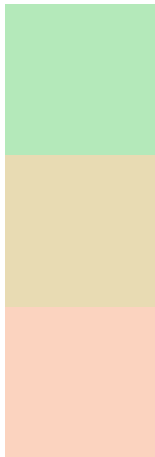
This preview shows how white text looks on a background with the XYZ color 56.8242, 71.5263,

57.2654.

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

56.8242, 71.5263, 57.2654

Protanopia

66.7469, 71.0735, 52.8484

Deuteranopia

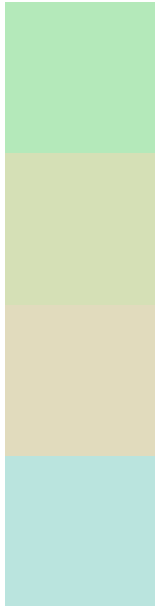
72.4819, 70.8593, 59.1472



Tritanopia

64.3381, 71.2686, 95.1593

Trichromacy



Original Color

56.8242, 71.5263, 57.2654

Protanomaly

62.5397, 70.8348, 54.6323

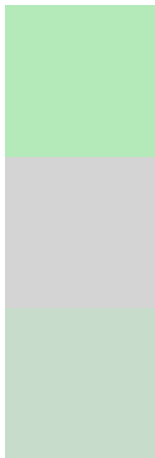
Deuteranomaly

65.5682, 70.3447, 58.2662

Tritanomaly

61.1779, 71.1998, 79.6258

Monochromacy



Original Color

56.8242, 71.5263, 57.2654

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.1921, 67.7776, 66.4098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8242, 71.5263, 57.2654 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(180, 233, 186)` looks like.

```
.text, #text, p{  
    color:rgb(180, 233, 186)  
}
```

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(180, 233, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 233, 186) }
```

Border

The CSS property to change the border of an element to XYZ 56.8242, 71.5263, 57.2654 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(180, 233, 186) }
```


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

```
.border{ border-color:rgb(180, 233, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 233, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 233, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 233, 186);  
box-shadow:4px 4px 4px 4px rgb(180, 233,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8242, 71.5263, 57.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 233, 186) }
```

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

```
.background{ background-color: rgb(180,  
233, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor