

# Converting Colors

XYZ(56.8052, 70.3733, 63.6220)

Have a look what the booklet for  
XYZ(56.8052, 70.3733, 63.6220)  
contains.

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# Color

**XYZ(56.7854, 70.5302,  
63.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E7C5
RGB	177, 231, 197
RGB Percent	69%, 91%, 77%
CMY	0.3059, 0.0941, 0.2274
CMYK	0.23, 0.00, 0.15, 0.09
HSL	142°, 53%, 80%
HSV	142°, 23%, 91%
XYZ	56.7854, 70.5302, 63.4441
YIQ	210.9780, -21.2700, -22.0220

# Conversions

## Conversions Part 2

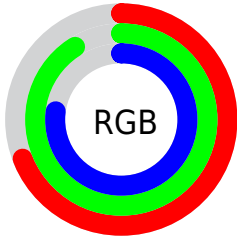
Format	Color
<a href="#">RYB</a>	<a href="#">177, 216, 231</a>
Decimal	<a href="#">11659205</a>
CIELab	<a href="#">87.26, -23.95, 10.98</a>
CIElCh	<a href="#">87, 26.350, 155.373</a>
Yxy	<a href="#">70.5302, 0.2977, 0.3697</a>
Android (android.graphics.Color)	<a href="#">4289849285 (0xFFB1E7C5)</a>
YUV	<a href="#">210.9780, -6.8912, -29.7987</a>
Hunter-Lab	<a href="#">83.9823, -26.2745, 13.9972</a>

# Details

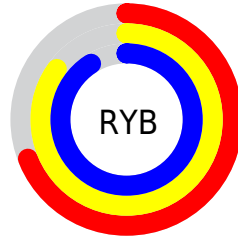
The XYZ color **56.7854, 70.5302, 63.4441** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.4374, 53.1380, 68.7022**, and the grayscale version is **61.9581, 65.1847, 70.9861**.

A 20% lighter version of the original color is **87.2537, 95.9994, 107.6969**, and **28.4563, 36.8541, 31.6003** is the 20% darker color. If you saturate the color by 10%, you get **50.3757, 67.4112, 54.8604**, and if you desaturate by 10%, it is **64.2505, 74.1786, 72.9197**.

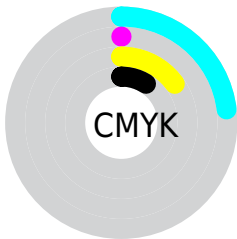
# Distribution



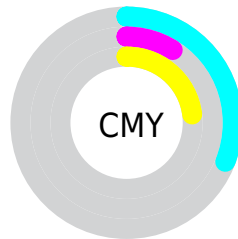
- Red (69%)
- Green (91%)
- Blue (77%)



- Red (69%)
- Yellow (85%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7854, 70.5302, 63.4441 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 56.7854, 70.5302, 63.4441 by changing the saturation by 10% instead.





 56.7854, 70.5302,  
63.4441

 56.7854, 70.5302,  
63.4441


402.6719,  
462.4094, 455.3317

 41.0724, 51.9589,  
45.7573


 99.2852, 119.9645,  
111.4017

 28.5636, 36.9723,  
31.7070


126.8027,  
151.5964, 142.5096

 18.8936, 25.1861,  
20.8749


158.9857,  
188.3505, 178.9282

 11.6969, 16.2157,  
12.8422

196.1997,  
230.6113, 221.0761

 6.6084, 9.6769,  
7.1905

238.8100,  
278.7632, 269.3719

 3.2626, 5.1853,  
3.5013


287.1818,

 1.2941, 2.3564,


333.1906, 324.2341


1.3560


341.6807,  
394.2779, 386.0811


 0.1788, 0.8033,  
0.1070


 0.0000, 0.0000,  
0.0000


 56.7854, 70.5302,  
63.4441


 56.7854, 70.5302,  
63.4441


 50.3757, 67.4112,  
54.8604


 64.2505, 74.1786,  
72.9197

 44.9661, 64.7878,  
47.1379

 72.8112, 78.3708,  
83.3073

 40.5053, 62.6360,  
40.2510

 82.5127, 83.1314,  
94.6324

 36.9345, 60.9260,  
34.1709

 87.8673, 85.6346,  
106.5058

■ 34.1882, 59.6248,  
28.8673

■ 32.1912, 58.6942,  
24.3076

■ 30.8532, 58.0883,  
20.4569

■ 30.2391, 57.8193,  
18.2766

# Harmonies

## Analogous

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



60.3778, 70.5302, 52.2113



56.7854, 70.5302, 63.4441



55.8676, 70.5302, 80.0327

# Triad

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



56.7854, 70.5302, 63.4441



68.1579, 70.5302, 115.9936



77.2217, 70.5302, 58.6985

# Complementary

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



56.7854, 70.5302, 63.4441



60.4374, 53.1380, 68.7022

# 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.



79.6035, 70.5302, 73.6466



56.7854, 70.5302, 63.4441



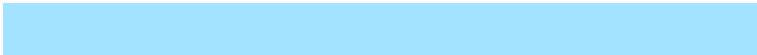
74.1684, 70.5302, 108.0909

# Square

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



56.7854, 70.5302, 63.4441



62.1966, 70.5302, 112.1508



78.4533, 70.5302, 91.8995



72.1219, 70.5302, 49.7813



# Rectangle

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



56.7854, 70.5302, 63.4441



56.8440, 70.5302, 92.3535



78.4533, 70.5302, 91.8995



78.3806, 70.5302, 63.0907

# Sweetspot

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



56.7873, 70.5332, 63.4457



87.0280, 96.0675, 99.3537



63.4356, 74.2079, 52.5759



18.4866, 20.4933, 21.0954



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

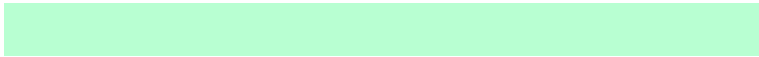


# Same Dimension

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



56.7873, 70.5332, 63.4457



67.0697, 86.3163, 74.1268



60.1371, 71.8731, 81.0854



14.4089, 16.1770, 16.4182



17.0066, 32.4348, 10.5352



1.3004, 2.4143, 1.0086



# Inverse Universe

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



60.4374, 53.1380, 68.7022



72.3785, 61.0074, 81.7655



57.3519, 51.9038, 52.4541



14.7568, 14.5199, 16.9199



21.4215, 10.7028, 16.3807

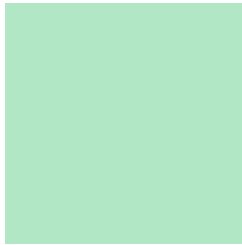


1.6275, 0.8087, 1.4448



# Previews

## White Background



This preview shows how the XYZ color 56.7854, 70.5302, 63.4441 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 56.7854, 70.5302, 63.4441 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

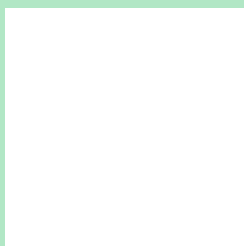
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.7854, 70.5302, 63.4441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.7854, 70.5302, 63.4441.



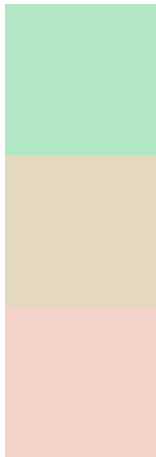
This preview shows how white text looks on a background with the XYZ color 56.7854, 70.5302,

63.4441.

# 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

56.7854, 70.5302, 63.4441

### Protanopia

66.1020, 69.8374, 58.7112

### Deuteranopia

71.2454, 69.7227, 64.9611



## **Tritanopia**

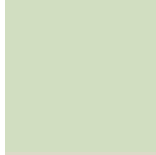
63.3526, 70.7606, 95.1131

# Trichromacy



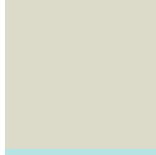
## Original Color

56.7854, 70.5302, 63.4441



## Protanomaly

62.0414, 69.6481, 60.6256



## Deuteranomaly

65.0119, 69.5286, 64.6374



## Tritanomaly

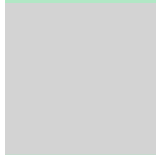
60.7250, 70.4964, 82.3581

# Monochromacy



## Original Color

56.7854, 70.5302, 63.4441



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.7652, 66.7412, 68.1249

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7854, 70.5302, 63.4441 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(177, 231, 197)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 197)  
}
```

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(177, 231, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7854, 70.5302, 63.4441 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(177, 231, 197) }
```



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

```
.border{ border-color:rgb(177, 231, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 197);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7854, 70.5302, 63.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 197) }
```

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

```
.background{ background-color: rgb(177,  
231, 197) }
```

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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