

# Converting Colors

XYZ(55.7428, 71.6183, 60.5148)

Have a look what the booklet for  
XYZ(55.7428, 71.6183, 60.5148)  
contains.

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# Color

**XYZ(55.8003, 71.7685,  
60.7809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEBC0
RGB	170, 235, 192
RGB Percent	67%, 92%, 75%
CMY	0.3333, 0.0784, 0.2471
CMYK	0.28, 0.00, 0.18, 0.08
HSL	140°, 62%, 79%
HSV	140°, 28%, 92%
XYZ	55.8003, 71.7685, 60.7809
YIQ	210.6630, -24.9370, -27.1530

# Conversions

## Conversions Part 2

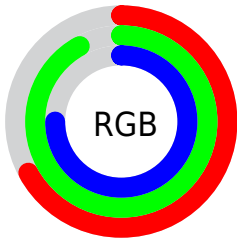
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 219, 235
Decimal	11201472
CIELab	87.86, -28.99, 14.39
CIELCh	88, 32.366, 153.607
Yxy	71.7685, 0.2963, 0.3810
Android (android.graphics.Color)	4289391552 (0xFFAAEBC0)
YUV	210.6630, -9.2009, -35.6615
Hunter-Lab	84.7163, -30.6805, 16.7630

# Details

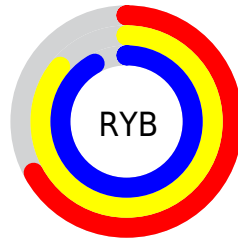
The XYZ color **55.8003, 71.7685, 60.7809** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6483, 51.2173, 69.6431**, and the grayscale version is **61.7666, 64.9833, 70.7668**.

A 20% lighter version of the original color is **84.0673, 94.4661, 102.6099**, and **27.9100, 37.7882, 29.8676** is the 20% darker color. If you saturate the color by 10%, you get **49.5346, 68.7291, 51.9661**, and if you desaturate by 10%, it is **63.1599, 75.3548, 70.5998**.

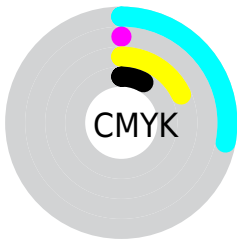
# Distribution



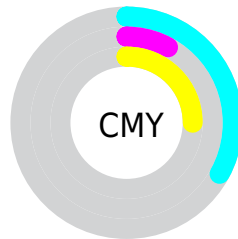
- Red (67%)
- Green (92%)
- Blue (75%)



- Red (67%)
- Yellow (86%)
- Blue (92%)



- Cyan (28%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)




- Cyan (33%)
- Magenta (8%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8003, 71.7685, 60.7809 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 55.8003, 71.7685, 60.7809 by changing the saturation by 10% instead.





 55.8003, 71.7685,  
60.7809

 55.8003, 71.7685,  
60.7809


399.0257,  
466.7354, 445.3545

 40.2792, 52.9696,  
43.6190


 97.8540, 121.7273,  
107.5161

 27.9415, 37.7785,  
30.0361


125.1174,  
153.6561, 137.9264

 18.4218, 25.8108,  
19.6137


157.0255,  
190.7302, 173.5899

 11.3547, 16.6822,  
11.9333

193.9439,  
233.3341, 214.9252

 6.3750, 10.0081,  
6.5763

236.2377,  
281.8522, 262.3507

 3.1172, 5.4044,  
3.1241


284.2723,

 1.2161, 2.4864,


336.6688, 316.2851


1.1584


338.4132,  
398.1684, 377.1468


 0.1190, 0.8698,  
0.0000


 0.0000, 0.0000,  
0.0000


 55.8003, 71.7685,  
60.7809


 55.8003, 71.7685,  
60.7809


 49.5346, 68.7291,  
51.9661


 63.1599, 75.3548,  
70.5998


 44.3031, 66.2004,  
44.1189

 71.6579, 79.5044,  
81.4486

 40.0489, 64.1558,  
37.2071

 81.3430, 84.2437,  
93.3578

 36.7070, 62.5626,  
31.1952

 88.8694, 87.8473,  
106.1968

■ 34.2043, 61.3838,  
26.0453

■ 88.9997, 87.8994,  
106.8832

■ 32.4552, 60.5762,  
21.7165

■ 31.3466, 60.0821,  
18.1640

■ 31.1407, 59.9918,  
17.4385

# Harmonies

## Analogous

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



60.3479, 71.7685, 47.8992



55.8003, 71.7685, 60.7809



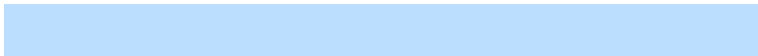
54.4875, 71.7685, 80.8402

# Triad

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



55.8003, 71.7685, 60.7809



69.1490, 71.7685, 128.5200



81.2931, 71.7685, 56.9584

# Complementary

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



55.8003, 71.7685, 60.7809



60.6483, 51.2173, 69.6431

# 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.



84.0710, 71.7685, 75.5078



55.8003, 71.7685, 60.7809



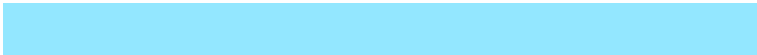
76.7352, 71.7685, 119.0131

# Square

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



55.8003, 71.7685, 60.7809



61.8461, 71.7685, 122.5773



82.3440, 71.7685, 98.5332



75.0043, 71.7685, 46.0010



# Rectangle

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



55.8003, 71.7685, 60.7809



55.5349, 71.7685, 96.3707



82.3440, 71.7685, 98.5332



82.6890, 71.7685, 62.3733

# Sweetspot

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



55.8022, 71.7715, 60.7825



85.8417, 95.4952, 97.5228



64.5040, 76.5183, 49.4007



18.0252, 20.2696, 20.4357



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

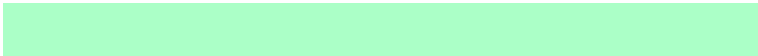


# Same Dimension

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



55.8022, 71.7715, 60.7825



62.8692, 84.3000, 67.1923



59.7653, 73.3567, 81.6519



15.0787, 16.9463, 17.0971



17.3838, 33.4080, 9.9862



1.4085, 2.6407, 1.0131



# Inverse Universe

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



60.6483, 51.2173, 69.6431



69.5734, 55.8487, 79.4386



56.9611, 49.7424, 50.2266



15.4856, 15.2221, 17.8423



22.4442, 11.1804, 18.6724

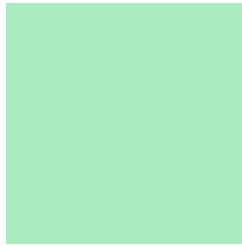


1.8070, 0.8958, 1.7011



# Previews

## White Background



This preview shows how the XYZ color 55.8003, 71.7685, 60.7809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

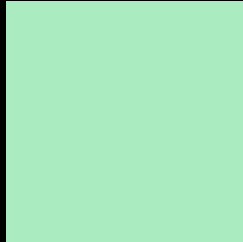
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8003, 71.7685, 60.7809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

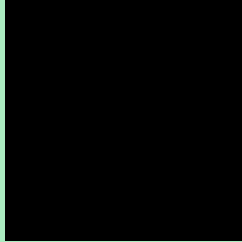
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.8003, 71.7685, 60.7809

## Background



This preview shows how black text looks on a background with the XYZ color 55.8003, 71.7685, 60.7809.



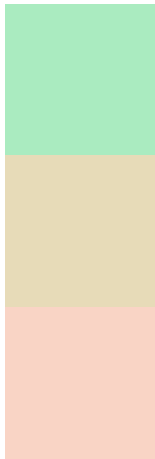
This preview shows how white text looks on a background with the XYZ color 55.8003, 71.7685, 60.7809.

60.7809.

# 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

55.8003, 71.7685, 60.7809

### Protanopia

66.9382, 71.1127, 55.5455

### Deuteranopia

72.6884, 71.2579, 62.7464



## Tritanopia

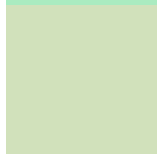
63.2003, 71.8439, 97.7250

# Trichromacy



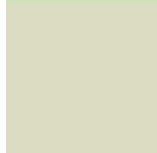
## Original Color

55.8003, 71.7685, 60.7809



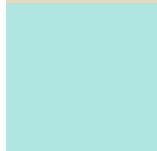
## Protanomaly

62.1893, 70.9936, 57.4391



## Deuteranomaly

64.9587, 70.3422, 61.7835



## Tritanomaly

60.2079, 71.8729, 82.6511

# Monochromacy



## Original Color

55.8003, 71.7685, 60.7809



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.2572, 67.2818, 66.9902

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8003, 71.7685, 60.7809 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(170, 235, 192)` looks like.

```
.text, #text, p{  
    color:rgb(170, 235, 192)  
}
```

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(170, 235, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 235, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8003, 71.7685, 60.7809 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(170, 235, 192) }
```



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

```
.border{ border-color:rgb(170, 235, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 235, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 235, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 235, 192);  
box-shadow:4px 4px 4px 4px rgb(170, 235,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8003, 71.7685, 60.7809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 235, 192) }
```

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

```
.background{ background-color: rgb(170,  
235, 192) }
```

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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