

Converting Colors

XYZ(56.7562, 69.1837, 63.8187)

Have a look what the booklet for
XYZ(56.7562, 69.1837, 63.8187)
contains.

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Color

**XYZ(56.7588, 69.2673,
63.8045)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E4C6
RGB	180, 228, 198
RGB Percent	71%, 89%, 78%
CMY	0.2941, 0.1059, 0.2235
CMYK	0.21, 0.00, 0.13, 0.11
HSL	142°, 47%, 80%
HSV	142°, 21%, 89%
XYZ	56.7588, 69.2673, 63.8045
YIQ	210.2280, -18.9780, -19.5060

Conversions

Conversions Part 2

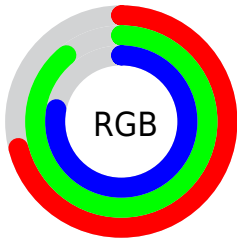
Format	Color
RYB	180, 215, 228
Decimal	11855046
CIELab	86.64, -21.35, 9.60
CIELCh	87, 23.404, 155.795
Yxy	69.2673, 0.2990, 0.3649
Android (android.graphics.Color)	4290045126 (0xFFB4E4C6)
YUV	210.2280, -6.0284, -26.5100
Hunter-Lab	83.2270, -23.9145, 12.8052

Details

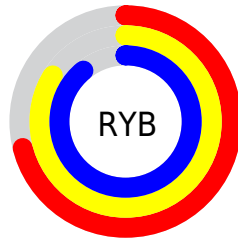
The XYZ color **56.7588, 69.2673, 63.8045** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.9514, 53.7912, 68.1987**, and the grayscale version is **61.4571, 64.6577, 70.4122**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **28.3907, 35.9543, 31.8291** is the 20% darker color. If you saturate the color by 10%, you get **50.3142, 66.1280, 55.3228**, and if you desaturate by 10%, it is **64.2350, 72.9244, 73.1448**.

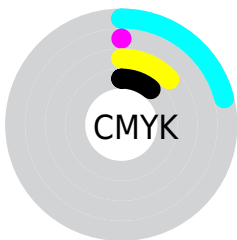
Distribution



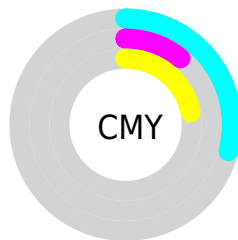
- Red (71%)
- Green (89%)
- Blue (78%)



- Red (71%)
- Yellow (84%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7588, 69.2673, 63.8045 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 56.7588, 69.2673, 63.8045 by changing the saturation by 10% instead.

■ 56.7588, 69.2673,
63.8045

■ 56.7588, 69.2673,
63.8045

402.5737,
457.9732, 456.6714

■ 41.0510, 50.9294,
46.0472

■ 99.2466, 118.1633,
111.9261

■ 28.5468, 36.1524,
31.9341

126.7572,
149.4902, 143.1274

■ 18.8808, 24.5520,
21.0468

158.9329,
185.9155, 179.6472

■ 11.6877, 15.7436,
12.9666

196.1389,
227.8238, 221.9040

■ 6.6021, 9.3429,
7.2751

238.7407,
275.5992, 270.3162

■ 3.2586, 4.9655,
3.5537


287.1035,


■ 1.2919, 2.2270,


329.6264, 325.3025


1.3838

341.5927,
390.2895, 387.2814


 0.1772, 0.7347,
0.1291


 0.0000, 0.0000,
0.0000


 56.7588, 69.2673,
63.8045


 56.7588, 69.2673,
63.8045


 50.3142, 66.1280,
55.3228

 64.2350, 72.9244,
73.1448


 44.8487, 63.4741,
47.6708

 72.7809, 77.1126,
83.3624

 40.3134, 61.2829,
40.8244

 82.4396, 81.8558,
94.4813

 36.6530, 59.5264,
34.7568

 87.0347, 83.9694,
106.2282

■ 33.8058, 58.1734,
29.4395

■ 31.7017, 57.1883,
24.8424

■ 30.2576, 56.5289,
20.9328

■ 29.4042, 56.1532,
17.9872

Harmonies

Analogous

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



59.9123, 69.2673, 53.6589



56.7588, 69.2673, 63.8045



55.9787, 69.2673, 78.4823

Triad

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



56.7588, 69.2673, 63.8045



66.8971, 69.2673, 109.2810



74.6805, 69.2673, 59.2369

Complementary

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



56.7588, 69.2673, 63.8045



59.9514, 53.7912, 68.1987

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.



76.7886, 69.2673, 72.4390



56.7588, 69.2673, 63.8045



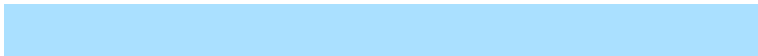
72.1389, 69.2673, 102.3894

Square

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



56.7588, 69.2673, 63.8045



61.6447, 69.2673, 106.1387



75.8339, 69.2673, 88.3667



70.2141, 69.2673, 51.2867

Rectangle

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



56.7588, 69.2673, 63.8045



56.8699, 69.2673, 89.2058



75.8339, 69.2673, 88.3667



75.6993, 69.2673, 63.1337

Sweetspot

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



56.7607, 69.2702, 63.8060



88.1417, 96.6121, 100.7390



62.6765, 72.5457, 53.8801



18.7117, 20.6034, 21.3776



0.0000, 0.0000, 0.0000



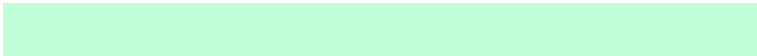
20.3446, 21.4041, 23.3091

Same Dimension

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



56.7607, 69.2702, 63.8060



69.5945, 87.5431, 77.6239



59.6993, 70.4456, 79.2804



14.4117, 16.1781, 16.4330



17.0312, 32.4446, 10.6646



1.3024, 2.4151, 1.0192

Inverse Universe

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



59.9514, 53.7912, 68.1987



74.3626, 64.4056, 84.1839



57.2237, 52.7002, 53.8349



14.7539, 14.5188, 16.9046



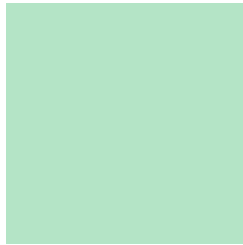
21.3756, 10.6844, 16.1385



1.6243, 0.8074, 1.4279

Previews

White Background



This preview shows how the XYZ color 56.7588, 69.2673, 63.8045 looks on a white background.

Color Contrast Check

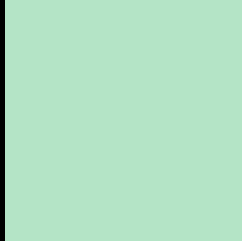
Large Text (above 18pt) WCAG AA × Fail

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 56.7588, 69.2673, 63.8045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

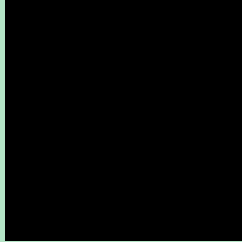
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

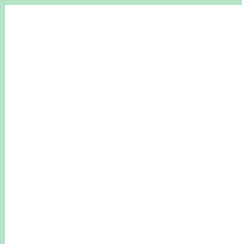
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7588, 69.2673, 63.8045

Background



This preview shows how black text looks on a background with the XYZ color 56.7588, 69.2673, 63.8045.

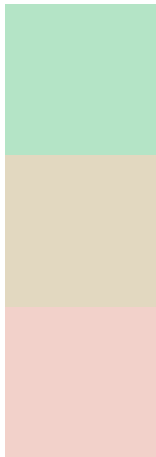


This preview shows how white text looks on a background with the XYZ color 56.7588, 69.2673,

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

56.7588, 69.2673, 63.8045

Protanopia

65.4343, 69.0863, 59.7554

Deuteranopia

70.0791, 68.7424, 65.4522



Tritanopia

62.5885, 69.2252, 92.5011

Trichromacy



Original Color

56.7588, 69.2673, 63.8045

Protanomaly

61.6253, 68.6368, 61.0392

Deuteranomaly

64.3119, 68.3888, 65.0691

Tritanomaly

60.2538, 69.0618, 81.3887

Monochromacy



Original Color

56.7588, 69.2673, 63.8045

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.5066, 66.2241, 68.0387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7588, 69.2673, 63.8045 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, 228, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 198)  
}
```

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, 228, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 198) }
```

Border

The CSS property to change the border of an element to XYZ 56.7588, 69.2673, 63.8045 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, 228, 198) }
```


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

```
.border{ border-color:rgb(180, 228, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7588, 69.2673, 63.8045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 198) }
```

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

```
.background{ background-color: rgb(180,  
228, 198) }
```

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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