

Converting Colors

XYZ(56.3805, 68.4172, 73.9866)

Have a look what the booklet for
XYZ(56.3805, 68.4172, 73.9866)
contains.

XYZ(56.4013, 68.4511, 73.8581)	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(56.4013, 68.4511,
73.8581)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE3D6
RGB	171, 227, 214
RGB Percent	67%, 89%, 84%
CMY	0.3294, 0.1098, 0.1608
CMYK	0.25, 0.00, 0.06, 0.11
HSL	166°, 50%, 78%
HSV	166°, 25%, 89%
XYZ	56.4013, 68.4511, 73.8581
YIQ	208.7740, -29.2030, -15.9150

Conversions

Conversions Part 2

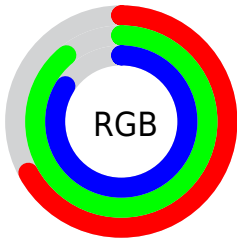
Format	Color
RYB	171, 203, 227
Decimal	11264982
CIELab	86.23, -20.49, 0.53
CIElCh	86, 20.495, 178.511
Yxy	68.4511, 0.2838, 0.3445
Android (android.graphics.Color)	4289455062 (0xFFABE3D6)
YUV	208.7740, 2.5764, -33.1278
Hunter-Lab	82.7352, -23.1015, 4.9862

Details

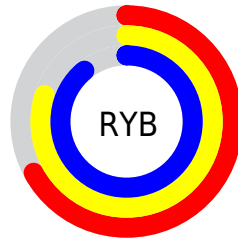
The XYZ color **56.4013, 68.4511, 73.8581** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8956, 48.9193, 51.8993**, and the grayscale version is **60.4560, 63.6044, 69.2652**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **28.1570, 35.4109, 38.1518** is the 20% darker color. If you saturate the color by 10%, you get **51.2131, 65.8548, 70.1592**, and if you desaturate by 10%, it is **62.4643, 71.4995, 77.7145**.

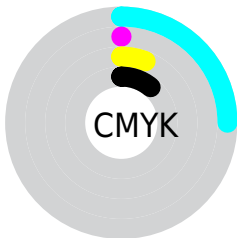
Distribution



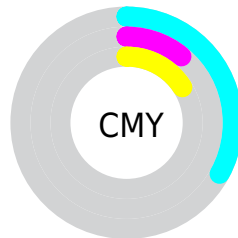
- Red (67%)
- Green (89%)
- Blue (84%)



- Red (67%)
- Yellow (80%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)





- Cyan (33%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4013, 68.4511, 73.8581 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 56.4013, 68.4511, 73.8581 by changing the saturation by 10% instead.


 56.4013, 68.4511,
73.8581

 56.4013, 68.4511,
73.8581


401.2526,
455.0926, 493.1338

 40.7630, 50.2648,
54.1818

 98.7275, 116.9972,
126.4268

 28.3208, 35.6239,
38.3529


126.1461,
148.1259, 160.1563

 18.7093, 24.1438,
25.9527


158.2222,
184.3374, 199.4074

 11.5632, 15.4404,
16.5628

195.3212,
226.0163, 244.5984

 6.5171, 9.1290,
9.7646

237.8084,
273.5468, 296.1480

 3.2056, 4.8254,
5.1396


286.0491,


 1.2634, 2.1452,

327.3135, 354.4748


2.2693


340.4087,
387.7006, 419.9972


 0.1556, 0.6899,
0.7139

 0.0000, 0.0000,
0.0000


 56.4013, 68.4511,
73.8581


 56.4013, 68.4511,
73.8581


 51.2131, 65.8548,
70.1592


 62.4643, 71.4995,
77.7145


 46.8503, 63.6797,
66.6102


 69.4369, 75.0124,
81.7269


 43.2674, 61.9043,
63.2092


 77.3587, 79.0121,
85.8994


 40.4121, 60.5014,
59.9528


 83.7179, 82.2036,
90.1156


 38.2255, 59.4409,
56.8371


 84.4913, 82.5130,
94.1882


 36.6393, 58.6874,
53.8577

 85.2874, 82.8314,
98.3807

 35.5698, 58.1980,
51.0096

 86.1065, 83.1591,
102.6941

 35.1393, 58.0082,
49.5415

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



57.6226, 68.4511, 61.7599



56.4013, 68.4511, 73.8581



57.4053, 68.4511, 87.6428

Triad

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



56.4013, 68.4511, 73.8581



69.4907, 68.4511, 99.7907



69.9185, 68.4511, 54.4873

Complementary

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



56.4013, 68.4511, 73.8581



54.8956, 48.9193, 51.8993

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.



73.3681, 68.4511, 62.7979



56.4013, 68.4511, 73.8581



73.1129, 68.4511, 88.9529

Square

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



56.4013, 68.4511, 73.8581



64.8251, 68.4511, 103.6591



74.5640, 68.4511, 75.2092



65.2969, 68.4511, 51.4459

Rectangle

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



56.4013, 68.4511, 73.8581



59.2302, 68.4511, 95.7520



74.5640, 68.4511, 75.2092



71.2618, 68.4511, 56.7037

Sweetspot

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



56.4032, 68.4539, 73.8596



88.1250, 96.5063, 105.1303



54.6051, 68.0799, 48.7921



18.7407, 20.5950, 22.4337



0.0000, 0.0000, 0.0000



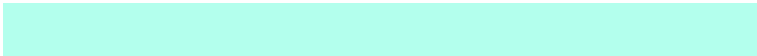
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4032, 68.4539, 73.8596



69.5559, 87.1726, 93.4632



54.2220, 61.3268, 81.6557



14.6568, 16.2761, 17.7234



20.5394, 33.8479, 29.1385



1.5527, 2.5152, 2.3369

Inverse Universe

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



54.8956, 48.9193, 51.8993



67.2537, 57.2976, 59.8959



56.5764, 54.3630, 46.0406



14.5134, 14.4226, 15.6380



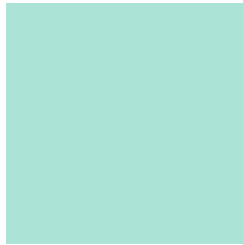
18.8831, 9.6875, 3.0133



1.4306, 0.7300, 0.4083

Previews

White Background



This preview shows how the XYZ color 56.4013, 68.4511, 73.8581 looks on a white background.

Color Contrast Check

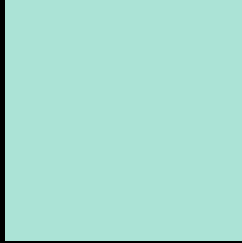
Large Text (above 18pt) WCAG AA × Fail

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 56.4013, 68.4511, 73.8581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

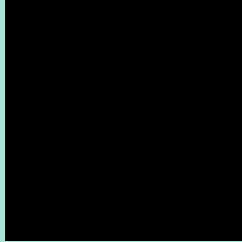
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

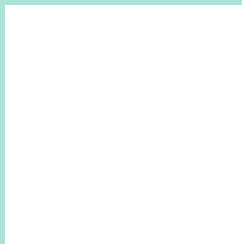
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4013, 68.4511, 73.8581

Background



This preview shows how black text looks on a background with the XYZ color 56.4013, 68.4511, 73.8581.

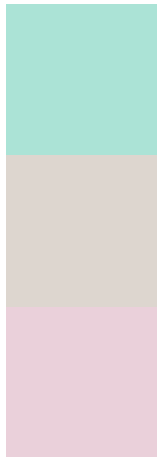


This preview shows how white text looks on a background with the XYZ color 56.4013, 68.4511,

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

56.4013, 68.4511, 73.8581

Protanopia

65.1278, 67.9703, 68.7185

Deuteranopia

69.1424, 67.6661, 75.7463



Tritanopia

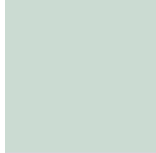
60.1694, 68.3563, 93.2419

Trichromacy



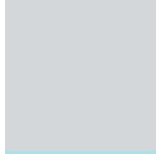
Original Color

56.4013, 68.4511, 73.8581



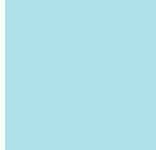
Protanomaly

61.5930, 68.0127, 70.8542



Deuteranomaly

63.6888, 67.4595, 75.3099



Tritanomaly

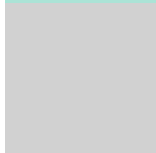
58.5350, 68.0795, 85.6568

Monochromacy



Original Color

56.4013, 68.4511, 73.8581



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.8194, 65.4170, 71.1546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4013, 68.4511, 73.8581 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(171, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 227, 214)  
}
```

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(171, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 227, 214) }
```

Border

The CSS property to change the border of an element to XYZ 56.4013, 68.4511, 73.8581 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(171, 227, 214) }
```


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

```
.border{ border-color:rgb(171, 227, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 227, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(171, 227,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4013, 68.4511, 73.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 227, 214) }
```

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

```
.background{ background-color: rgb(171,  
227, 214) }
```

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