

Converting Colors

XYZ(46.8575, 53.7049, 58.3485)

Have a look what the booklet for
XYZ(46.8575, 53.7049, 58.3485)
contains.

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Color

**XYZ(46.8575, 53.7049,
58.3485)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC8C1
RGB	170, 200, 193
RGB Percent	67%, 78%, 76%
CMY	0.3333, 0.2157, 0.2431
CMYK	0.15, 0.00, 0.04, 0.22
HSL	166°, 21%, 73%
HSV	166°, 15%, 78%
XYZ	46.8575, 53.7049, 58.3485
YIQ	190.2320, -15.6330, -8.5370

Conversions

Conversions Part 2

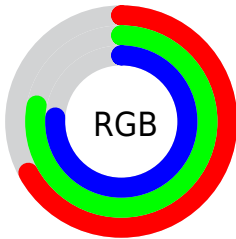
Format	Color
RYB	170, 187, 200
Decimal	11192513
CIELab	78.29, -11.43, 0.12
CIELCh	78, 11.433, 179.410
Yxy	53.7049, 0.2949, 0.3380
Android (android.graphics.Color)	4289382593 (0xFFAAC8C1)
YUV	190.2320, 1.3646, -17.7435
Hunter-Lab	73.2836, -14.1136, 4.0918

Details

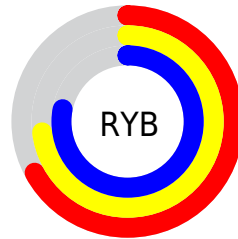
The XYZ color **46.8575, 53.7049, 58.3485** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1319, 44.2046, 47.6983**, and the grayscale version is **49.0773, 51.6332, 56.2285**.

A 20% lighter version of the original color is **84.2229, 94.5283, 103.4293**, and **22.3486, 26.2331, 28.6965** is the 20% darker color. If you saturate the color by 10%, you get **42.3463, 51.4400, 55.4625**, and if you desaturate by 10%, it is **52.0460, 56.3200, 61.3543**.

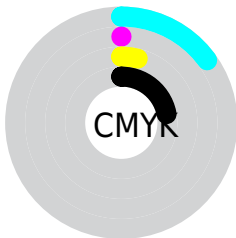
Distribution



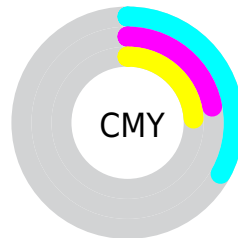
- Red (67%)
- Green (78%)
- Blue (76%)



- Red (67%)
- Yellow (73%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8575, 53.7049, 58.3485 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 46.8575, 53.7049, 58.3485 by changing the saturation by 10% instead.

■ 46.8575, 53.7049,
58.3485

■ 46.8575, 53.7049,
58.3485

364.9039,
400.9837, 436.1177

■ 33.1305, 38.3658,
41.6723

■ 84.7209, 95.6408,
103.9500

■ 22.3861, 26.2667,
28.5212

109.5880,
123.0064, 133.7123

■ 14.2591, 17.0233,
18.4764

138.8992,
155.1496, 168.6739

■ 8.3840, 10.2511,
11.1196

173.0199,
192.4548, 209.2531

■ 4.3955, 5.5658,
6.0322

212.3153,
235.3065, 255.8686

■ 1.9282, 2.5829,
2.7955

257.1509,

■ 0.5932, 0.9181,

284.0889, 308.9388

0.9912

307.8919,
339.1865, 368.8823

■ 0.0000, 0.0000,
0.0000

■ 46.8575, 53.7049,
58.3485

■ 46.8575, 53.7049,
58.3485

■ 42.3463, 51.4400,
55.4625

■ 52.0460, 56.3200,
61.3543

■ 38.4780, 49.5031,
52.6904

■ 57.9351, 59.2929,
64.4784

■ 35.2221, 47.8801,
50.0313

■ 64.5527, 62.6394,
67.7239

■ 32.5438, 46.5530,
47.4827

■ 71.9235, 66.3723,
71.0928

■ 30.4046, 45.5021,
45.0420

■ 74.3344, 67.5462,
74.3184

■ 28.7614, 44.7050,
42.7063

■ 74.9479, 67.7916,
77.5495

■ 27.5642, 44.1360,
40.4725

■ 75.5788, 68.0440,
80.8716

■ 26.7520, 43.7637,
38.3368

■ 76.2272, 68.3033,
84.2856

■ 26.4316, 43.6211,
37.3029

■ 76.8930, 68.5697,
87.7922

Harmonies

Analogous

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



47.4258, 53.7049, 52.4194



46.8575, 53.7049, 58.3485



47.3836, 53.7049, 64.7451

Triad

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



46.8575, 53.7049, 58.3485



53.1895, 53.7049, 69.8943



53.2686, 53.7049, 48.4856

Complementary

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



46.8575, 53.7049, 58.3485



46.1319, 44.2046, 47.6983

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.



54.8901, 53.7049, 52.6243



46.8575, 53.7049, 58.3485



54.8436, 53.7049, 64.9810

Square

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



46.8575, 53.7049, 58.3485



51.0005, 53.7049, 71.6995



55.4746, 53.7049, 58.6027



51.0893, 53.7049, 46.9865

Rectangle

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



46.8575, 53.7049, 58.3485



48.2931, 53.7049, 68.3530



55.4746, 53.7049, 58.6027



53.8993, 53.7049, 49.5986

Sweetspot

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



46.8590, 53.7071, 58.3497



90.0383, 97.4713, 106.1837



46.1573, 53.6191, 45.9478



19.1265, 20.7896, 22.6469



0.0000, 0.0000, 0.0000



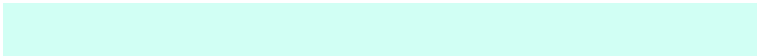
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8590, 53.7071, 58.3497



78.4555, 91.6390, 99.3692



45.9642, 50.6374, 61.9977



10.8367, 12.0236, 13.0904



16.8413, 27.7489, 23.9065



0.8239, 1.3245, 1.2716

Inverse Universe

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



46.1319, 44.2046, 47.6983



76.9586, 72.0674, 77.4350



46.8980, 46.8254, 44.5975



10.7336, 10.6768, 11.5806



15.4966, 7.9482, 2.5590



0.7628, 0.3880, 0.2740

Previews

White Background



This preview shows how the XYZ color 46.8575, 53.7049, 58.3485 looks on a white background.

Color Contrast Check

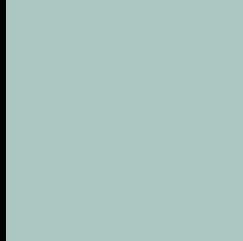
Large Text (above 18pt) WCAG AA × Fail

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 46.8575, 53.7049, 58.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

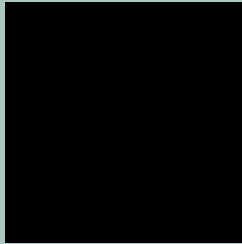
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

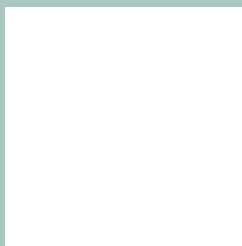
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8575, 53.7049, 58.3485

Background



This preview shows how black text looks on a background with the XYZ color 46.8575, 53.7049, 58.3485.



This preview shows how white text looks on a background with the XYZ color 46.8575, 53.7049,

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

46.8575, 53.7049, 58.3485

Protanopia

51.3236, 53.3792, 55.7423

Deuteranopia

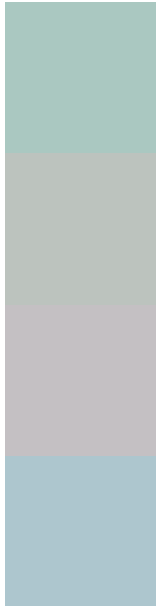
54.5981, 53.3751, 59.6493



Tritanopia

49.4321, 53.7353, 70.7174

Trichromacy



Original Color

46.8575, 53.7049, 58.3485

Protanomaly

49.5484, 53.4393, 56.4185

Deuteranomaly

51.4649, 53.3752, 59.2197

Tritanomaly

48.5682, 53.7286, 66.2034

Monochromacy



Original Color

46.8575, 53.7049, 58.3485

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2242, 52.4124, 56.8651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8575, 53.7049, 58.3485 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, 200, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 200, 193)  
}
```

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, 200, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 200, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.8575, 53.7049, 58.3485 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, 200, 193) }
```


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

```
.border{ border-color:rgb(170, 200, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 200, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 200, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 200, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 200,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8575, 53.7049, 58.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 200, 193) }
```

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

```
.background{ background-color: rgb(170,  
200, 193) }
```

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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