

Converting Colors

XYZ(46.4255, 54.1885, 68.3422)

Have a look what the booklet for
XYZ(46.4255, 54.1885, 68.3422)
contains.

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Color

**XYZ(46.5749, 54.3832,
68.3639)**

Conversions

Conversions Part 1

Format	Color
Hex	9CCBD1
RGB	156, 203, 209
RGB Percent	61%, 80%, 82%
CMY	0.3882, 0.2039, 0.1804
CMYK	0.25, 0.03, 0.00, 0.18
HSL	187°, 37%, 72%
HSV	187°, 25%, 82%
XYZ	46.5749, 54.3832, 68.3639
YIQ	189.6310, -29.9380, -8.0980

Conversions

Conversions Part 2

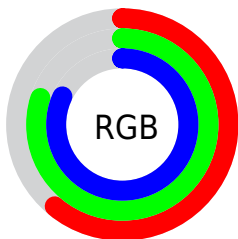
Format	Color
R _{YB}	156, 181, 209
Decimal	10275793
CIE Lab	78.68, -13.93, -8.01
CIE LCh	79, 16.070, 209.894
Yxy	54.3832, 0.2751, 0.3212
Android (android.graphics.Color)	4288465873 (0xFF9CCBD1)
YUV	189.6310, 9.5489, -29.4944
Hunter-Lab	73.7450, -16.3189, -3.3422

Details

The XYZ color **46.5749, 54.3832, 68.3639** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2163, 41.7968, 37.1382**, and the grayscale version is **48.6919, 51.2276, 55.7869**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **22.2574, 26.7450, 34.9996** is the 20% darker color. If you saturate the color by 10%, you get **42.3195, 51.3679, 68.0071**, and if you desaturate by 10%, it is **51.5379, 57.7786, 68.7586**.

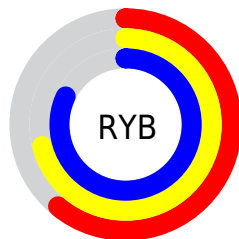
Distribution



Red (61%)

Green (80%)

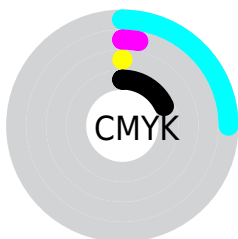
Blue (82%)



Red (61%)

Yellow (71%)

Blue (82%)

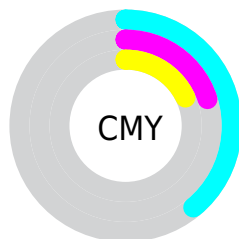


Cyan (25%)

Magenta (3%)

Yellow (0%)

Black (18%)



Cyan (39%)

Magenta (20%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5749, 54.3832, 68.3639 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 46.5749, 54.3832, 68.3639 by changing the saturation by 10% instead.

■ 46.5749, 54.3832,
68.3639

■ 46.5749, 54.3832,
68.3639

363.7925,
403.5696, 473.4173

■ 32.9063, 38.9081,
49.7253

■ 84.3013, 96.6367,
118.5317

■ 22.2135, 26.6882,
34.8255

■ 109.0899,
124.1838, 150.8980

■ 14.1314, 17.3392,
23.2460

138.3157,
156.5238, 188.6773

■ 8.2944, 10.4766,
14.5683

172.3443,
194.0410, 232.2881

■ 4.3373, 5.7161,
8.3737

211.5408,
237.1197, 282.1489

■ 1.8947, 2.6732,
4.2438

256.2708,

■ 0.5737, 0.9636,

286.1445, 338.6784

1.7600

306.8996,
341.4996, 402.2950

■ 0.0000, 0.0000,
0.4014

■ 0.0000, 0.0000,
0.0000

■ 46.5749, 54.3832,
68.3639

■ 46.5749, 54.3832,
68.3639

■ 42.3195, 51.3679,
68.0071

■ 51.5379, 57.7786,
68.7586

■ 38.7313, 48.7078,
67.6827

■ 57.2368, 61.5648,
69.1890

■ 35.7729, 46.3849,
67.3903

■ 63.7042, 65.7599,
69.6579

■ 33.4016, 44.3772,
67.1278

■ 70.9693, 70.3791,
70.1666

■ 31.5691, 42.6597,
66.8928

■ 77.0059, 74.3778,
70.6202

■ 30.2193, 41.2033,
66.6829

■ 77.6120, 75.5898,
70.8223

■ 29.2836, 39.9728,
66.4947

■ 78.2267, 76.8194,
71.0272

■ 28.9310, 39.4479,
66.4119

■ 78.8503, 78.0664,
71.2350

■ 79.4826, 79.3312,
71.4458

Harmonies

Analogous

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



45.8211, 54.3832, 59.1819



46.5749, 54.3832, 68.3639



48.6871, 54.3832, 75.6663

Triad

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



46.5749, 54.3832, 68.3639



57.1537, 54.3832, 68.4253



51.7008, 54.3832, 43.3925

Complementary

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



46.5749, 54.3832, 68.3639



45.2163, 41.7968, 37.1382

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.



54.8131, 54.3832, 45.3382



46.5749, 54.3832, 68.3639



58.0389, 54.3832, 59.2463

Square

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



46.5749, 54.3832, 68.3639



54.7928, 54.3832, 75.7043



57.1657, 54.3832, 50.9194



48.7058, 54.3832, 45.3113

Rectangle

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



46.5749, 54.3832, 68.3639



50.6257, 54.3832, 78.1513



57.1657, 54.3832, 50.9194



52.7683, 54.3832, 43.6134

Sweetspot

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



46.5765, 54.3854, 68.3651



87.2070, 94.8700, 108.3232



42.9715, 55.2538, 42.2586



18.3690, 20.1096, 23.1633



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.



46.5765, 54.3854, 68.3651



69.5852, 82.8645, 106.9347



40.9818, 43.1960, 66.5002



12.0394, 13.1690, 15.1510



17.8836, 24.4137, 40.9622



1.0332, 1.4315, 2.3014

Inverse Universe

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



48.9638, 41.6454, 61.9600



73.9473, 59.9750, 95.1438



50.2369, 51.8378, 38.8117



12.2508, 11.9850, 14.5964



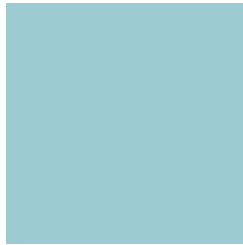
21.6575, 10.5358, 29.4324



1.2277, 0.5958, 1.7340

Previews

White Background



This preview shows how the XYZ color 46.5749, 54.3832, 68.3639 looks on a white background.

Color Contrast Check

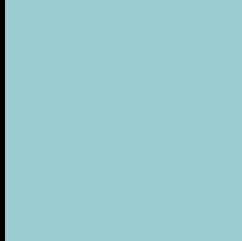
Large Text (above 18pt) WCAG AA × Fail

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 46.5749, 54.3832, 68.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

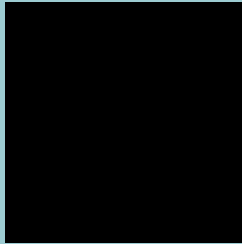
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5749, 54.3832, 68.3639

Background



This preview shows how black text looks on a background with the XYZ color 46.5749, 54.3832, 68.3639.



This preview shows how white text looks on a background with the XYZ color 46.5749, 54.3832,

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

46.5749, 54.3832, 68.3639

Protanopia

52.3551, 54.0538, 64.1739

Deuteranopia

55.2581, 54.1278, 69.8226



Tritanopia

47.8760, 54.5721, 74.3398

Trichromacy



Original Color

46.5749, 54.3832, 68.3639

Protanomaly

50.0418, 54.1640, 65.5748

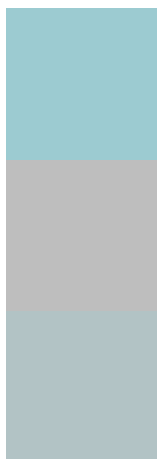
Deuteranomaly

51.5432, 53.8515, 69.3058

Tritanomaly

47.2909, 54.3155, 72.2814

Monochromacy



Original Color

46.5749, 54.3832, 68.3639

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.9532, 52.5264, 60.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5749, 54.3832, 68.3639 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(156, 203, 209)` looks like.

```
.text, #text, p{  
    color:rgb(156, 203, 209)  
}
```

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(156, 203, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 203, 209) }
```

Border

The CSS property to change the border of an element to XYZ 46.5749, 54.3832, 68.3639 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(156, 203, 209) }
```


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

```
.border{ border-color:rgb(156, 203, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 203, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 203, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 203, 209);  
box-shadow:4px 4px 4px 4px rgb(156, 203,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5749, 54.3832, 68.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 203, 209) }
```

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

```
.background{ background-color: rgb(156,  
203, 209) }
```

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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