

Converting Colors

XYZ(45.1834, 52.1540, 58.4129)

Have a look what the booklet for
XYZ(45.1834, 52.1540, 58.4129)
contains.

XYZ(45.1296, 52.1309, 58.1358)	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(45.1296, 52.1309,
58.1358)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C6C1
RGB	164, 198, 193
RGB Percent	64%, 78%, 76%
CMY	0.3569, 0.2235, 0.2431
CMYK	0.17, 0.00, 0.03, 0.22
HSL	171°, 23%, 71%
HSV	171°, 17%, 78%
XYZ	45.1296, 52.1309, 58.1358
YIQ	187.2640, -18.6590, -8.7630

Conversions

Conversions Part 2

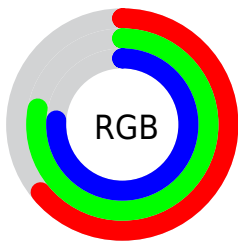
Format	Color
RYB	164, 182, 198
Decimal	10798785
CIELab	77.36, -12.34, -1.29
CIElCh	77, 12.405, 185.962
Yxy	52.1309, 0.2904, 0.3355
Android (android.graphics.Color)	4288988865 (0xFFA4C6C1)
YUV	187.2640, 2.8278, -20.4025
Hunter-Lab	72.2017, -14.7818, 2.8018

Details

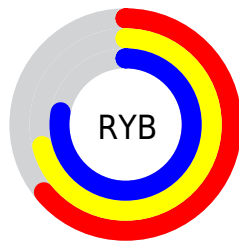
The XYZ color **45.1296, 52.1309, 58.1358** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7275, 41.4228, 43.2291**, and the grayscale version is **47.3764, 49.8436, 54.2797**.

A 20% lighter version of the original color is **82.0723, 93.4196, 103.3287**, and **21.3890, 25.2847, 28.5641** is the 20% darker color. If you saturate the color by 10%, you get **41.0358, 50.0590, 56.2654**, and if you desaturate by 10%, it is **49.8690, 54.5376, 60.0720**.

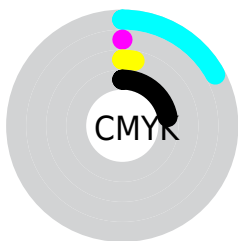
Distribution



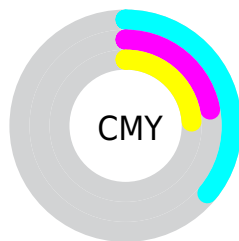
- Red (64%)
- Green (78%)
- Blue (76%)



- Red (64%)
- Yellow (71%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)



- Cyan (36%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1296, 52.1309, 58.1358 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 45.1296, 52.1309, 58.1358 by changing the saturation by 10% instead.

■ 45.1296, 52.1309,
58.1358

■ 45.1296, 52.1309,
58.1358

358.0731,
394.9417, 435.3041

■ 31.7612, 37.1094,
41.5024

■ 82.1507, 93.3243,
103.6373

■ 21.3339, 25.2922,
28.3892

■ 106.5342,
120.2649, 133.3425

■ 13.4821, 16.2949,
18.3777

135.3201,
151.9475, 168.2421

■ 7.8406, 9.7331,
11.0492

168.8737,
188.7562, 208.7546

■ 4.0441, 5.2223,
5.9854

207.5605,
231.0757, 255.2984

■ 1.7271, 2.3783,
2.7675

251.7457,

■ 0.4731, 0.8147,

279.2901, 308.2923

0.9772

301.7948,
333.7840, 368.1547

■ 0.0000, 0.0000,
0.0000

■ 45.1296, 52.1309,
58.1358

■ 45.1296, 52.1309,
58.1358

■ 41.0358, 50.0590,
56.2654

■ 49.8690, 54.5376,
60.0720

■ 37.5537, 48.3004,
54.4557

■ 55.2770, 57.2869,
62.0721

■ 34.6532, 46.8408,
52.7063

■ 61.3809, 60.3941,
64.1385

■ 32.2996, 45.6625,
51.0154

■ 68.2052, 63.8720,
66.2726

■ 30.4547, 44.7457,
49.3809

■ 72.7670, 66.1828,
68.3350

■ 29.0753, 44.0682,
47.8007

■ 73.1278, 66.3271,
70.2351

■ 28.1109, 43.6038,
46.2721

■ 73.4953, 66.4741,
72.1701

■ 27.4921, 43.3169,
44.7918

■ 73.8693, 66.6237,
74.1401

■ 27.3445, 43.2498,
44.3803

■ 74.2501, 66.7760,
76.1452

Harmonies

Analogous

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



45.4806, 52.1309, 51.5820



45.1296, 52.1309, 58.1358



45.9317, 52.1309, 64.8225

Triad

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



45.1296, 52.1309, 58.1358



52.2889, 52.1309, 68.0603



51.4390, 52.1309, 45.6001

Complementary

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



45.1296, 52.1309, 58.1358



43.7275, 41.4228, 43.2291

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.



53.3511, 52.1309, 49.3984



45.1296, 52.1309, 58.1358



53.8527, 52.1309, 62.2770

Square

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



45.1296, 52.1309, 58.1358



50.0264, 52.1309, 70.8403



54.2476, 52.1309, 55.4094



49.0744, 52.1309, 44.6841

Rectangle

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



45.1296, 52.1309, 58.1358



47.0279, 52.1309, 68.3460



54.2476, 52.1309, 55.4094



52.1583, 52.1309, 46.5664

Sweetspot

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



45.1311, 52.1331, 58.1370



90.2132, 97.5413, 107.1048



43.2802, 51.5168, 42.7856



19.1692, 20.8066, 22.8714



0.0000, 0.0000, 0.0000



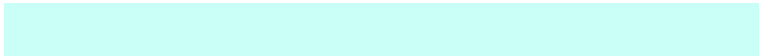
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1311, 52.1331, 58.1370



76.7758, 90.7229, 101.5587



43.0845, 47.1315, 60.2550



10.8770, 12.0397, 13.3026



17.8068, 28.1351, 28.9907



0.8619, 1.3397, 1.4716

Inverse Universe

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



43.7275, 41.4228, 43.2291



73.7811, 67.8632, 69.7453



45.4971, 45.6993, 41.5459



10.6964, 10.6619, 11.3845



15.3102, 7.8737, 1.5776



0.7459, 0.3812, 0.1851

Previews

White Background



This preview shows how the XYZ color 45.1296, 52.1309, 58.1358 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 45.1296, 52.1309, 58.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

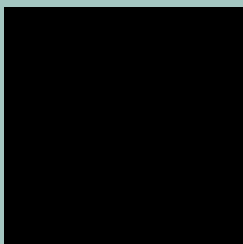
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

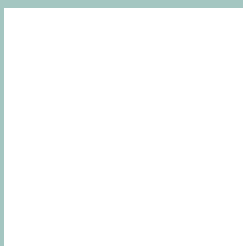
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1296, 52.1309, 58.1358

Background



This preview shows how black text looks on a background with the XYZ color 45.1296, 52.1309, 58.1358.

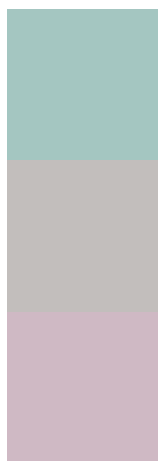


This preview shows how white text looks on a background with the XYZ color 45.1296, 52.1309,

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

45.1296, 52.1309, 58.1358

Protanopia

49.7387, 51.9271, 54.9784

Deuteranopia

53.0449, 51.9488, 59.4559



Tritanopia

47.2093, 51.9489, 69.1670

Trichromacy



Original Color

45.1296, 52.1309, 58.1358

Protanomaly

47.8927, 51.9249, 56.2135

Deuteranomaly

49.7496, 51.8434, 59.0145

Tritanomaly

46.3649, 51.9465, 64.7097

Monochromacy



Original Color

45.1296, 52.1309, 58.1358

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.4065, 50.5194, 55.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1296, 52.1309, 58.1358 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(164, 198, 193)` looks like.

```
.text, #text, p{  
    color:rgb(164, 198, 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(164, 198, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 198, 193) }
```

Border

The CSS property to change the border of an element to XYZ 45.1296, 52.1309, 58.1358 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(164, 198, 193) }
```


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

```
.border{ border-color:rgb(164, 198, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 198, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 198, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 198, 193);  
box-shadow:4px 4px 4px 4px rgb(164, 198,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1296, 52.1309, 58.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 198, 193) }
```

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

```
.background{ background-color: rgb(164,  
198, 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](#).

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