

Converting Colors

XYZ(45.9103, 52.5348, 49.3060)

Have a look what the booklet for
XYZ(45.9103, 52.5348, 49.3060)
contains.

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Color

**XYZ(45.8066, 52.3369,
49.2827)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C5B1
RGB	176, 197, 177
RGB Percent	69%, 77%, 69%
CMY	0.3098, 0.2274, 0.3059
CMYK	0.11, 0.00, 0.10, 0.23
HSL	123°, 15%, 73%
HSV	123°, 11%, 77%
XYZ	45.8066, 52.3369, 49.2827
YIQ	188.4410, -6.0960, -10.6720

Conversions

Conversions Part 2

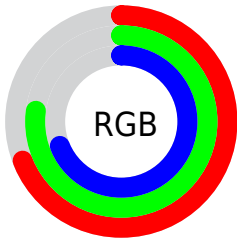
Format	Color
RYB	176, 196, 197
Decimal	11584945
CIELab	77.48, -10.93, 7.62
CIElCh	77, 13.319, 145.120
Yxy	52.3369, 0.3107, 0.3550
Android (android.graphics.Color)	4289775025 (0xFFB0C5B1)
YUV	188.4410, -5.6404, -10.9108
Hunter-Lab	72.3442, -13.5806, 10.2511

Details

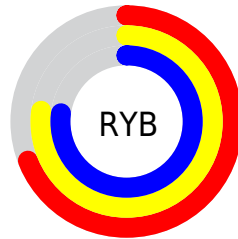
The XYZ color **45.8066, 52.3369, 49.2827** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5170, 46.9079, 58.7242**, and the grayscale version is **48.0856, 50.5898, 55.0923**.

A 20% lighter version of the original color is **83.4285, 93.9226, 90.8225**, and **21.6289, 25.3111, 22.8143** is the 20% darker color. If you saturate the color by 10%, you get **39.9280, 49.5093, 39.9075**, and if you desaturate by 10%, it is **52.5917, 55.6051, 60.0448**.

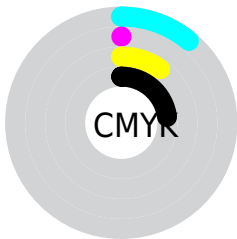
Distribution



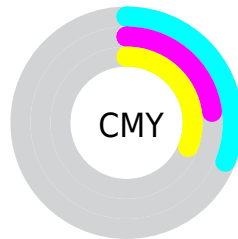
- Red (69%)
- Green (77%)
- Blue (69%)



- Red (69%)
- Yellow (77%)
- Blue (77%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8066, 52.3369, 49.2827 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 45.8066, 52.3369, 49.2827 by changing the saturation by 10% instead.

■ 45.8066, 52.3369,
49.2827

■ 45.8066, 52.3369,
49.2827

360.7596,
395.7359, 400.5086

■ 32.2972, 37.2737,
34.4766

■ 83.1591, 93.6279,
90.4965

■ 21.7453, 25.4195,
22.9797

107.7330,
120.6245, 117.7413

■ 13.7854, 16.3898,
14.3733

136.7257,
152.3676, 149.9694

■ 8.0523, 9.8004,
8.2391

170.5026,
189.2418, 187.5994

■ 4.1805, 5.2668,
4.1583

209.4291,
231.6312, 231.0497

■ 1.8047, 2.4047,
1.7126

253.8705,

■ 0.5205, 0.8283,

279.9205, 280.7390

0.3693

304.1922,
334.4939, 337.0858

■ 0.0000, 0.0000,
0.0000

■ 45.8066, 52.3369,
49.2827

■ 45.8066, 52.3369,
49.2827

■ 39.9280, 49.5093,
39.9075

■ 52.5917, 55.6051,
60.0448

■ 34.9135, 47.0972,
31.8595

■ 60.3149, 59.3245,
72.2433

■ 30.7236, 45.0829,
25.0798

■ 69.0115, 63.5139,
85.9296

■ 27.3142, 43.4452,
19.5038

■ 78.7138, 68.1887,
101.1515

■ 24.6369, 42.1605,
15.0611

■ 79.2572, 68.4145,
103.6357

■ 22.6381, 41.2030,
11.6741

■ 21.2567, 40.5430,
9.2554

■ 20.4209, 40.1456,
7.7035

■ 20.0186, 39.9550,
6.9263

Harmonies

Analogous

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



47.6798, 52.3369, 45.1277



45.8066, 52.3369, 49.2827



44.9896, 52.3369, 55.7926

Triad

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



45.8066, 52.3369, 49.2827



49.3262, 52.3369, 72.2534



54.3461, 52.3369, 51.1965

Complementary

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



45.8066, 52.3369, 49.2827



48.5170, 46.9079, 58.7242

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.



54.8234, 52.3369, 58.1963



45.8066, 52.3369, 49.2827



51.8683, 52.3369, 70.7585

Square

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



45.8066, 52.3369, 49.2827



46.9767, 52.3369, 69.3792



53.9022, 52.3369, 65.4529



52.6193, 52.3369, 46.1642

Rectangle

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



45.8066, 52.3369, 49.2827



45.1328, 52.3369, 60.7511



53.9022, 52.3369, 65.4529



54.6605, 52.3369, 53.3797

Sweetspot

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



45.8080, 52.3391, 49.2838



91.1403, 98.1174, 102.7096



50.6480, 54.8457, 48.9920



19.2897, 20.8962, 21.6386



0.0000, 0.0000, 0.0000



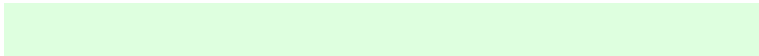
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8080, 52.3391, 49.2838



79.2154, 92.3768, 83.7705



46.8635, 52.7613, 54.8417



10.5176, 11.8959, 11.4099



13.1753, 26.2825, 4.6017



0.6311, 1.2474, 0.2563

Inverse Universe

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



48.5170, 46.9079, 58.7242



85.1184, 80.5417, 104.3411



47.3947, 46.4590, 52.8141



11.0605, 10.8076, 13.3016



21.0979, 10.1887, 32.0550



1.0059, 0.4852, 1.5540

Previews

White Background



This preview shows how the XYZ color 45.8066, 52.3369, 49.2827 looks on a white background.

Color Contrast Check

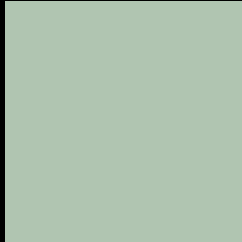
Large Text (above 18pt) WCAG AA × Fail

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 45.8066, 52.3369, 49.2827 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

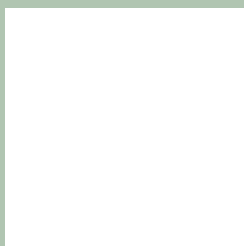
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8066, 52.3369, 49.2827

Background



This preview shows how black text looks on a background with the XYZ color 45.8066, 52.3369, 49.2827.



This preview shows how white text looks on a background with the XYZ color 45.8066, 52.3369,

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

45.8066, 52.3369, 49.2827

Protanopia

49.6066, 52.0250, 47.4717

Deuteranopia

53.3187, 52.2894, 50.4627



Tritanopia

49.5112, 52.5178, 67.2019

Trichromacy



Original Color

45.8066, 52.3369, 49.2827

Protanomaly

48.2937, 52.3114, 48.1092

Deuteranomaly

50.1537, 51.9292, 50.0278

Tritanomaly

47.9602, 52.1985, 60.3709

Monochromacy



Original Color

45.8066, 52.3369, 49.2827

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0497, 50.9126, 52.6947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8066, 52.3369, 49.2827 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(176, 197, 177)` looks like.

```
.text, #text, p{  
    color:rgb(176, 197, 177)  
}
```

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(176, 197, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 197, 177) }
```

Border

The CSS property to change the border of an element to XYZ 45.8066, 52.3369, 49.2827 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(176, 197, 177) }
```


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

```
.border{ border-color:rgb(176, 197, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 197, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 197, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 197, 177);  
box-shadow:4px 4px 4px 4px rgb(176, 197,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8066, 52.3369, 49.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 197, 177) }
```

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

```
.background{ background-color: rgb(176,  
197, 177) }
```

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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