

Converting Colors

XYZ(45.7917, 51.9462, 50.0401)

Have a look what the booklet for
XYZ(45.7917, 51.9462, 50.0401)
contains.

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Color

**XYZ(45.7811, 51.9646,
50.2651)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C4B3
RGB	176, 196, 179
RGB Percent	69%, 77%, 70%
CMY	0.3098, 0.2314, 0.2980
CMYK	0.10, 0.00, 0.09, 0.23
HSL	129°, 14%, 73%
HSV	129°, 10%, 77%
XYZ	45.7811, 51.9646, 50.2651
YIQ	188.0820, -6.4630, -9.5270

Conversions

Conversions Part 2

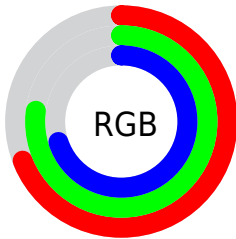
Format	Color
RYB	176, 193, 196
Decimal	11584691
CIELab	77.26, -10.04, 6.22
CIELCh	77, 11.812, 148.225
Yxy	51.9646, 0.3093, 0.3511
Android (android.graphics.Color)	4289774771 (0xFFB0C4B3)
YUV	188.0820, -4.4774, -10.5959
Hunter-Lab	72.0865, -12.7885, 9.1183

Details

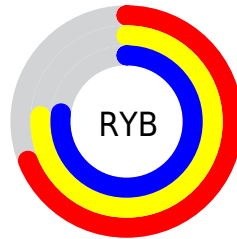
The XYZ color **45.7811, 51.9646, 50.2651** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9178, 46.6380, 56.9310**, and the grayscale version is **47.8750, 50.3682, 54.8510**.

A 20% lighter version of the original color is **83.3994, 93.4045, 92.2305**, and **21.6073, 25.0633, 23.4375** is the 20% darker color. If you saturate the color by 10%, you get **40.0809, 49.2106, 41.7276**, and if you desaturate by 10%, it is **52.3278, 55.1344, 59.9072**.

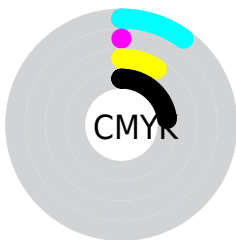
Distribution



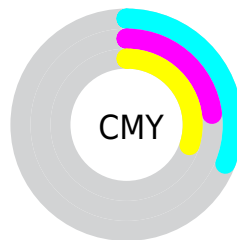
- Red (69%)
- Green (77%)
- Blue (70%)



- Red (69%)
- Yellow (76%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7811, 51.9646, 50.2651 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 45.7811, 51.9646, 50.2651 by changing the saturation by 10% instead.

■ 45.7811, 51.9646,
50.2651

■ 45.7811, 51.9646,
50.2651

360.6586,
394.2999, 404.4665

■ 32.2770, 36.9769,
35.2514

■ 83.1212, 93.0790,
91.9679

■ 21.7297, 25.1896,
23.5715

107.6879,
119.9745, 119.4941

■ 13.7739, 16.2184,
14.8068

136.6728,
151.6080, 152.0282

■ 8.0443, 9.6788,
8.5388

170.4413,
188.3640, 189.9888

■ 4.1753, 5.1865,
4.3489

209.3588,
230.6267, 233.7943

■ 1.8018, 2.3571,
1.8187

253.7906,

■ 0.5188, 0.8037,

278.7807, 283.8635

0.4402

304.1021,
333.2103, 340.6146

■ 0.0000, 0.0000,
0.0000

■ 45.7811, 51.9646,
50.2651

■ 45.7811, 51.9646,
50.2651

■ 40.0809, 49.2106,
41.7276

■ 52.3278, 55.1344,
59.9072

■ 35.1882, 46.8487,
34.2520

■ 59.7491, 58.7293,
70.6878

■ 31.0677, 44.8631,
27.7978

■ 68.0772, 62.7666,
82.6436

■ 27.6795, 43.2341,
22.3205

■ 77.3415, 67.2607,
95.8087

■ 24.9802, 41.9405,
17.7725

■ 79.0309, 67.9618,
103.5603

■ 22.9218, 40.9584,
14.1021

■ 21.4499, 40.2612,
11.2526

■ 20.5009, 39.8173,
9.1606

■ 19.9676, 39.5725,
7.7743

Harmonies

Analogous

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



47.3602, 51.9646, 46.2896



45.7811, 51.9646, 50.2651



45.1655, 51.9646, 56.1952

Triad

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



45.7811, 51.9646, 50.2651



49.2560, 51.9646, 69.9816



53.3272, 51.9646, 50.8860

Complementary

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



45.7811, 51.9646, 50.2651



47.9178, 46.6380, 56.9310

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.



53.8717, 51.9646, 56.9678



45.7811, 51.9646, 50.2651



51.4787, 51.9646, 68.2939

Square

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



45.7811, 51.9646, 50.2651



47.1333, 51.9646, 67.8569



53.1854, 51.9646, 63.4041



51.7192, 51.9646, 46.6284

Rectangle

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



45.7811, 51.9646, 50.2651



45.3696, 51.9646, 60.5706



53.1854, 51.9646, 63.4041



53.6428, 51.9646, 52.7698

Sweetspot

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



45.7825, 51.9668, 50.2662



91.2619, 98.1661, 103.3500



49.6559, 53.9983, 48.8805



19.3224, 20.9093, 21.8106



0.0000, 0.0000, 0.0000



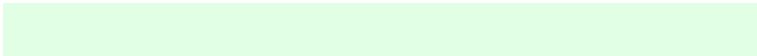
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7825, 51.9668, 50.2662



80.7660, 93.0878, 87.8321



46.7952, 52.3719, 55.5989



10.0046, 11.2829, 11.0278



12.8497, 25.4339, 5.1014



0.5753, 1.1070, 0.3261

Inverse Universe

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



47.9178, 46.6380, 56.9310



85.3230, 81.7145, 102.0556



46.8739, 46.2204, 51.4341



10.4303, 10.2207, 12.3563



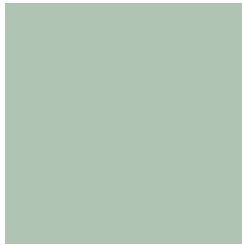
19.1109, 9.3341, 24.2940



0.8437, 0.4105, 1.1446

Previews

White Background



This preview shows how the XYZ color 45.7811, 51.9646, 50.2651 looks on a white background.

Color Contrast Check

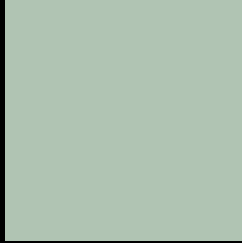
Large Text (above 18pt) WCAG AA × Fail

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 45.7811, 51.9646, 50.2651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

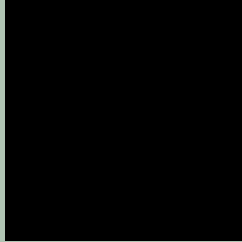
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7811, 51.9646, 50.2651

Background



This preview shows how black text looks on a background with the XYZ color 45.7811, 51.9646, 50.2651.



This preview shows how white text looks on a background with the XYZ color 45.7811, 51.9646,

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

45.7811, 51.9646, 50.2651

Protanopia

49.2759, 51.8318, 48.4817

Deuteranopia

52.6324, 51.6142, 50.9046



Tritanopia

49.1682, 52.0280, 66.4825

Trichromacy



Original Color

45.7811, 51.9646, 50.2651

Protanomaly

47.7717, 51.6924, 49.0548

Deuteranomaly

49.7746, 51.4038, 50.4785

Tritanomaly

47.7384, 51.7549, 60.2969

Monochromacy



Original Color

45.7811, 51.9646, 50.2651

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1549, 50.9547, 53.2489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7811, 51.9646, 50.2651 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, 196, 179)` looks like.

```
.text, #text, p{  
    color:rgb(176, 196, 179)  
}
```

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, 196, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 196, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.7811, 51.9646, 50.2651 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, 196, 179) }
```


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

```
.border{ border-color:rgb(176, 196, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 196, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 196, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 196, 179);  
box-shadow:4px 4px 4px 4px rgb(176, 196,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7811, 51.9646, 50.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 196, 179) }
```

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

```
.background{ background-color: rgb(176,  
196, 179) }
```

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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