

Converting Colors

XYZ(45.7502, 45.9539, 49.0853)

Have a look what the booklet for
XYZ(45.7502, 45.9539, 49.0853)
contains.

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Color

**XYZ(45.8511, 46.0364,
49.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	C1B1B3
RGB	193, 177, 179
RGB Percent	76%, 69%, 70%
CMY	0.2431, 0.3059, 0.2980
CMYK	0.00, 0.08, 0.07, 0.24
HSL	353°, 11%, 73%
HSV	353°, 8%, 76%
XYZ	45.8511, 46.0364, 49.1171
YIQ	182.0120, 8.8940, 4.0140

Conversions

Conversions Part 2

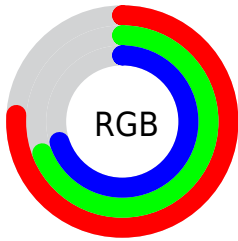
Format	Color
RYB	193, 177, 179
Decimal	12693939
CIELab	73.57, 6.07, 1.04
CIElCh	74, 6.154, 9.756
Yxy	46.0364, 0.3252, 0.3265
Android (android.graphics.Color)	4290884019 (0xFFC1B1B3)
YUV	182.0120, -1.4849, 9.6365
Hunter-Lab	67.8501, 1.8873, 4.5747

Details

The XYZ color **45.8511, 46.0364, 49.1171** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.6071, 51.2497, 56.7284**, and the grayscale version is **44.4754, 46.7916, 50.9561**.

A 20% lighter version of the original color is **83.2012, 84.4157, 90.5059**, and **21.6210, 21.4106, 22.7318** is the 20% darker color. If you saturate the color by 10%, you get **40.7004, 38.3032, 39.4818**, and if you desaturate by 10%, it is **51.7528, 54.9357, 60.0363**.

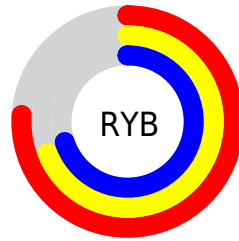
Distribution



Red (76%)

Green (69%)

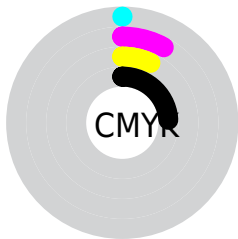
Blue (70%)



Red (76%)

Yellow (69%)

Blue (70%)

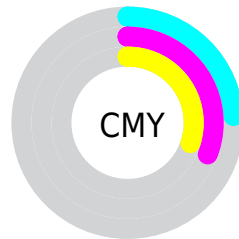


Cyan (0%)

Magenta (8%)

Yellow (7%)

Black (24%)



Cyan (24%)


Magenta (31%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8511, 46.0364, 49.1171 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 45.8511, 46.0364, 49.1171 by changing the saturation by 10% instead.


 45.8511, 46.0364,
49.1171

 45.8511, 46.0364,
49.1171


360.9357,
370.9550, 399.8388

 32.3325, 32.2745,
34.3461


 83.2253, 84.2735,
90.2481

 21.7723, 21.5713,
22.8801


107.8117,
109.5175, 117.4453

 13.8054, 13.5422,
14.3005


136.8179,
139.3577, 149.6215

 8.0662, 7.8030,
8.1889

170.6095,
174.1784, 187.1955

 4.1895, 3.9691,
4.1265

209.5516,
214.3641, 230.5857

 1.8099, 1.6563,
1.6950

254.0098,

 0.5236, 0.3951,

260.2992, 280.2106

0.3573

304.3494,
312.3680, 336.4888

■ 0.0000, 0.0000,
0.0000

■ 45.8511, 46.0364,
49.1171

■ 45.8511, 46.0364,
49.1171

■ 40.7004, 38.3032,
39.4818

■ 51.7528, 54.9357,
60.0363

■ 36.2669, 31.6819,
31.0804

■ 58.4301, 65.0402,
72.2813

■ 32.5197, 26.1232,
23.8636

■ 65.9109, 76.3947,
85.8954

■ 29.4243, 21.5718,
17.7782

■ 74.2210, 89.0400,
100.9195

■ 26.9432, 17.9670,
12.7663

■ 75.8025, 90.0776,
107.9992

■ 25.0350, 15.2420,
8.7654

■ 23.6530, 13.3211,
5.7060

■ 22.7433, 12.1156,
3.5101

■ 22.2260, 11.4883,
2.0818

Harmonies

Analogous

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



45.7490, 46.0364, 52.2282



45.8511, 46.0364, 49.1171



45.3847, 46.0364, 46.3900

Triad

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



45.8511, 46.0364, 49.1171



42.4316, 46.0364, 45.6583



43.0361, 46.0364, 55.9615

Complementary

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



45.8511, 46.0364, 49.1171



46.6071, 51.2497, 56.7284

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.



42.1671, 46.0364, 54.0570



45.8511, 46.0364, 49.1171



41.8221, 46.0364, 48.0806

Square

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



45.8511, 46.0364, 49.1171



43.4026, 46.0364, 44.4484



41.7261, 46.0364, 51.1482



44.1118, 46.0364, 56.2671

Rectangle

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



45.8511, 46.0364, 49.1171



44.8187, 46.0364, 45.1247



41.7261, 46.0364, 51.1482



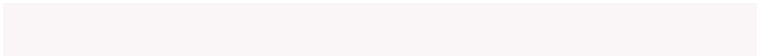
42.7107, 46.0364, 55.4834

Sweetspot

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



45.8524, 46.0384, 49.1181



88.5731, 92.1758, 99.9311



46.8015, 46.3557, 56.9334



19.0255, 19.8104, 21.4822



92.9021, 97.7402, 106.4391



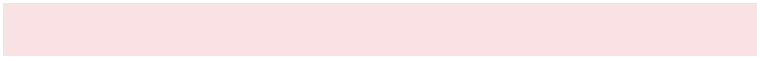
19.4759, 20.4902, 22.3138

Same Dimension

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



45.8524, 46.0384, 49.1181



80.2970, 79.7104, 84.5735



46.8355, 48.3254, 48.4567



10.1232, 10.0979, 10.7394



14.7542, 7.5914, 1.3519



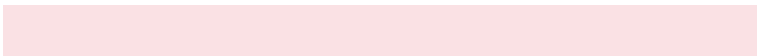
0.6547, 0.3349, 0.1489

Inverse Universe

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



45.8524, 46.0384, 49.1181



80.2970, 79.7104, 84.5735



45.5574, 48.7961, 57.4700



10.1232, 10.0979, 10.7394



14.7542, 7.5914, 1.3519



0.6547, 0.3349, 0.1489

Previews

White Background



This preview shows how the XYZ color 45.8511, 46.0364, 49.1171 looks on a white background.

Color Contrast Check

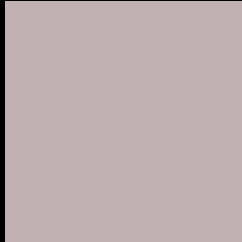
Large Text (above 18pt) WCAG AA × Fail

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 45.8511, 46.0364, 49.1171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

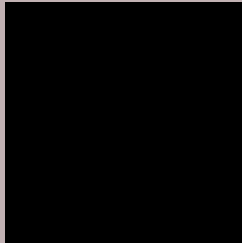
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8511, 46.0364, 49.1171

Background



This preview shows how black text looks on a background with the XYZ color 45.8511, 46.0364, 49.1171.



This preview shows how white text looks on a background with the XYZ color 45.8511, 46.0364,

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

45.8511, 46.0364, 49.1171

Protanopia

44.4289, 46.1691, 50.2859

Deuteranopia

47.0198, 46.0567, 49.0595



Tritanopia

46.7634, 45.8034, 54.5204

Trichromacy



Original Color

45.8511, 46.0364, 49.1171

Protanomaly

44.8518, 46.1003, 49.7143

Deuteranomaly

46.6880, 46.1757, 49.0999

Tritanomaly

46.5304, 46.0228, 52.3298

Monochromacy



Original Color

45.8511, 46.0364, 49.1171

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.9114, 46.4178, 50.3085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8511, 46.0364, 49.1171 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(193, 177, 179)` looks like.

```
.text, #text, p{  
    color:rgb(193, 177, 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(193, 177, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 177, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.8511, 46.0364, 49.1171 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(193, 177, 179) }
```


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

```
.border{ border-color:rgb(193, 177, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 177, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 177, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 177, 179);  
box-shadow:4px 4px 4px 4px rgb(193, 177,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8511, 46.0364, 49.1171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 177, 179) }
```

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

```
.background{ background-color: rgb(193,  
177, 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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