

Converting Colors

XYZ(45.4712, 46.1267, 49.4631)

Have a look what the booklet for
XYZ(45.4712, 46.1267, 49.4631)
contains.

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Color

**XYZ(45.3938, 46.0832,
49.6825)**

Conversions

Conversions Part 1

Format	Color
Hex	BEB2B4
RGB	190, 178, 180
RGB Percent	75%, 70%, 71%
CMY	0.2549, 0.3019, 0.2941
CMYK	0.00, 0.06, 0.05, 0.25
HSL	350°, 8%, 72%
HSV	350°, 6%, 75%
XYZ	45.3938, 46.0832, 49.6825
YIQ	181.8160, 6.5100, 3.1660

Conversions

Conversions Part 2

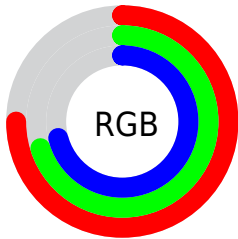
Format	Color
R_{YB}	190, 178, 180
Decimal	12497588
CIE Lab	73.60, 4.63, 0.51
CIE LCh	74, 4.655, 6.277
Yxy	46.0832, 0.3216, 0.3265
Android (android.graphics.Color)	4290687668 (0xFFBEB2B4)
YUV	181.8160, -0.8953, 7.1774
Hunter-Lab	67.8846, 0.5632, 4.1268

Details

The XYZ color **45.3938, 46.0832, 49.6825** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8524, 49.9239, 54.7989**, and the grayscale version is **44.3666, 46.6771, 50.8314**.

A 20% lighter version of the original color is **82.5692, 84.4946, 91.3141**, and **21.4809, 21.5179, 23.0999** is the 20% darker color. If you saturate the color by 10%, you get **40.3500, 38.4313, 40.4909**, and if you desaturate by 10%, it is **51.1482, 54.8601, 60.0217**.

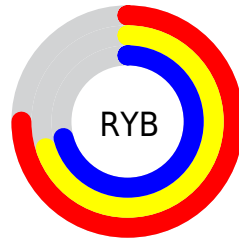
Distribution



Red (75%)

Green (70%)

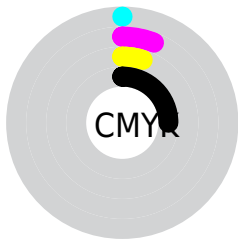
Blue (71%)



Red (75%)

Yellow (70%)

Blue (71%)

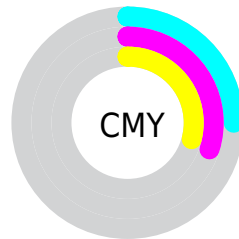


Cyan (0%)

Magenta (6%)

Yellow (5%)

Black (25%)



Cyan (25%)


Magenta (30%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3938, 46.0832, 49.6825 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 45.3938, 46.0832, 49.6825 by changing the saturation by 10% instead.


 45.3938, 46.0832,
49.6825

 45.3938, 46.0832,
49.6825


359.1230,
371.1430, 402.1225

 31.9703, 32.3115,
34.7918


 82.5445, 84.3435,
91.0957

 21.4943, 21.5995,
23.2203


107.0024,
109.6009, 118.4553

 13.6003, 13.5629,
14.5494


135.8691,
139.4556, 150.8083

 7.9230, 7.8173,
8.3607

169.5101,
174.2920, 188.5731

 4.0971, 3.9783,
4.2355

208.2906,
214.4946, 232.1684

 1.7572, 1.6614,
1.7554

252.5760,

 0.4917, 0.3985,

260.4477, 282.0127

0.3983

302.7317,
312.5357, 338.5246

■ 0.0000, 0.0000,
0.0000

■ 45.3938, 46.0832,
49.6825

■ 45.3938, 46.0832,
49.6825

■ 40.3500, 38.4313,
40.4909

■ 51.1482, 54.8601,
60.0217

■ 35.9853, 31.8532,
32.4042

■ 57.6354, 64.7986,
71.5432

■ 32.2717, 26.3024,
25.3816

■ 64.8813, 75.9412,
84.2840

■ 29.1776, 21.7270,
19.3782

■ 72.9096, 88.3263,
98.2784

■ 26.6689, 18.0703,
14.3465

■ 75.0454, 89.6873,
107.9638

■ 24.7078, 15.2700,
10.2346

■ 23.2525, 13.2557,
6.9859

■ 22.2545, 11.9461,
4.5375

■ 21.6527, 11.2358,
2.8162

Harmonies

Analogous

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



45.2666, 46.0832, 52.0237



45.3938, 46.0832, 49.6825



45.0898, 46.0832, 47.5407

Triad

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



45.3938, 46.0832, 49.6825



42.8703, 46.0832, 46.6085



43.1667, 46.0832, 54.4446

Complementary

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



45.3938, 46.0832, 49.6825



45.8524, 49.9239, 54.7989

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.



42.5364, 46.0832, 52.9085



45.3938, 46.0832, 49.6825



42.3668, 46.0832, 48.3741

Square

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



45.3938, 46.0832, 49.6825



43.6278, 46.0832, 45.8021



42.2453, 46.0832, 50.6743



43.9741, 46.0832, 54.8214

Rectangle

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



45.3938, 46.0832, 49.6825



44.6858, 46.0832, 46.4982



42.2453, 46.0832, 50.6743



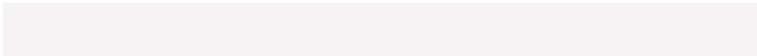
42.9274, 46.0832, 54.0444

Sweetspot

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



45.3951, 46.0852, 49.6835



86.5654, 90.0670, 97.7956



45.9551, 46.2519, 55.2212



19.0320, 19.8130, 21.5165



92.9021, 97.7402, 106.4391



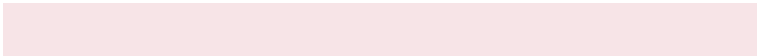
19.4759, 20.4902, 22.3138

Same Dimension

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



45.3951, 46.0852, 49.6835



80.5078, 80.8453, 86.8560



46.0004, 47.6191, 48.8888



9.5932, 9.5616, 10.2470



14.3102, 7.3552, 1.6614



0.5810, 0.2963, 0.1728

Inverse Universe

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



45.3951, 46.0852, 49.6835



80.5078, 80.8453, 86.8560



45.2149, 48.3020, 55.6559



9.5932, 9.5616, 10.2470



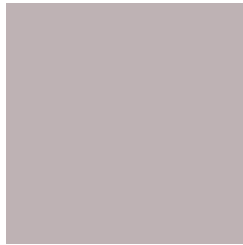
14.3102, 7.3552, 1.6614



0.5810, 0.2963, 0.1728

Previews

White Background



This preview shows how the XYZ color 45.3938, 46.0832, 49.6825 looks on a white background.

Color Contrast Check

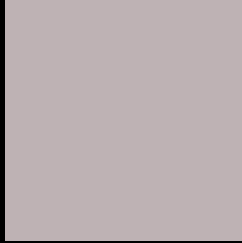
Large Text (above 18pt) WCAG AA × Fail

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 45.3938, 46.0832, 49.6825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

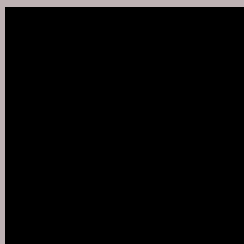
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

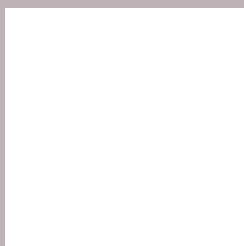
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3938, 46.0832, 49.6825

Background



This preview shows how black text looks on a background with the XYZ color 45.3938, 46.0832, 49.6825.



This preview shows how white text looks on a background with the XYZ color 45.3938, 46.0832,

49.6825.

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

45.3938, 46.0832, 49.6825

Protanopia

44.4289, 46.1691, 50.2859

Deuteranopia

46.9592, 46.0019, 50.1203



Tritanopia

46.3055, 45.8447, 55.1236

Trichromacy



Original Color

45.3938, 46.0832, 49.6825

Protanomaly

44.7103, 46.0155, 50.2415

Deuteranomaly

46.3715, 45.9890, 50.1488

Tritanomaly

46.0709, 46.0658, 52.9178

Monochromacy



Original Color

45.3938, 46.0832, 49.6825

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.8719, 46.6982, 50.3647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3938, 46.0832, 49.6825 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(190, 178, 180)` looks like.

```
.text, #text, p{  
    color:rgb(190, 178, 180)  
}
```

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(190, 178, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 178, 180) }
```

Border

The CSS property to change the border of an element to XYZ 45.3938, 46.0832, 49.6825 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(190, 178, 180) }
```


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

```
.border{ border-color:rgb(190, 178, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 178, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 178, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 178, 180);  
box-shadow:4px 4px 4px 4px rgb(190, 178,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3938, 46.0832, 49.6825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 178, 180) }
```

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

```
.background{ background-color: rgb(190,  
178, 180) }
```

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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