

Converting Colors

XYZ(46.0958, 49.7604, 48.9680)

Have a look what the booklet for
XYZ(46.0958, 49.7604, 48.9680)
contains.

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Color

**XYZ(46.1410, 49.8838,
48.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BDB1
RGB	185, 189, 177
RGB Percent	73%, 74%, 69%
CMY	0.2745, 0.2588, 0.3059
CMYK	0.02, 0.00, 0.06, 0.26
HSL	80°, 8%, 72%
HSV	80°, 6%, 74%
XYZ	46.1410, 49.8838, 48.7916
YIQ	186.4360, 1.4680, -4.5800

Conversions

Conversions Part 2

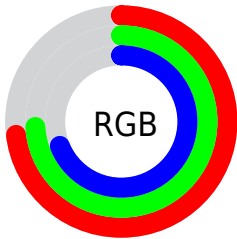
Format	Color
RYB	177, 189, 181
Decimal	12172721
CIELab	76.00, -3.58, 5.57
CIELCh	76, 6.620, 122.719
Yxy	49.8838, 0.3186, 0.3445
Android (android.graphics.Color)	4290362801 (0xFFB9BDB1)
YUV	186.4360, -4.6519, -1.2594
Hunter-Lab	70.6285, -6.9872, 8.4812

Details

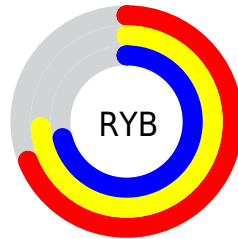
The XYZ color **46.1410, 49.8838, 48.7916** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.9654, 44.9435, 54.5044**, and the grayscale version is **46.9426, 49.3872, 53.7827**.

A 20% lighter version of the original color is **83.6360, 89.8888, 90.0330**, and **21.9580, 23.9691, 22.5380** is the 20% darker color. If you saturate the color by 10%, you get **42.8993, 48.4169, 39.4777**, and if you desaturate by 10%, it is **49.7139, 51.4942, 59.4852**.

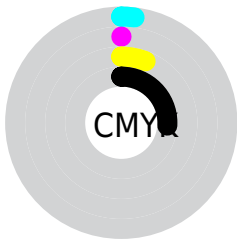
Distribution



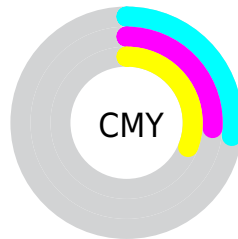
- Red (73%)
- Green (74%)
- Blue (69%)



- Red (69%)
- Yellow (74%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1410, 49.8838, 48.7916 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 46.1410, 49.8838, 48.7916 by changing the saturation by 10% instead.

■ 46.1410, 49.8838,
48.7916

■ 46.1410, 49.8838,
48.7916

362.0817,
386.2114, 398.5202

■ 32.5622, 35.3211,
34.0898

■ 83.6565, 90.0027,
89.7596

■ 21.9489, 23.9103,
22.6846

108.3240,
116.3276, 116.8629

■ 13.9357, 15.2671,
14.1577

137.4184,
147.3421, 148.9371

■ 8.1574, 9.0071,
8.0904

171.3051,
183.4305, 186.4007

■ 4.2485, 4.7458,
4.0643

210.3494,
224.9773, 229.6722

■ 1.8436, 2.0989,
1.6607

254.9167,

■ 0.5438, 0.6640,

272.3667, 279.1703

0.3336

305.3723,
325.9833, 335.3135

■ 0.0000, 0.0000,
0.0000

■ 46.1410, 49.8838,
48.7916

■ 46.1410, 49.8838,
48.7916

■ 42.8993, 48.4169,
39.4777

■ 49.7139, 51.4942,
59.4852

■ 39.9732, 47.0823,
31.4840

■ 53.6246, 53.2460,
71.6080

■ 37.3516, 45.8772,
24.7515

■ 57.8851, 55.1456,
85.2115

■ 35.0216, 44.7961,
19.2155

■ 62.5051, 57.1972,
100.3432

■ 32.9686, 43.8333,
14.8056

■ 64.7215, 58.2955,
102.4487

■ 31.1772, 42.9823,
11.4440

■ 66.6259, 59.2772,
102.5378

■ 29.6295, 42.2360,
9.0430

■ 68.6026, 60.2963,
102.6303

■ 28.3054, 41.5861,
7.5005

■ 70.6524, 61.3530,
102.7263

■ 27.1786, 41.0221,
6.6837

■ 72.7760, 62.4477,
102.8256

Harmonies

Analogous

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



47.3005, 49.8838, 47.8008



46.1410, 49.8838, 48.7916



45.3336, 49.8838, 51.2569

Triad

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



46.1410, 49.8838, 48.7916



46.3329, 49.8838, 60.5866



49.8249, 49.8838, 53.9930

Complementary

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



46.1410, 49.8838, 48.7916



43.9654, 44.9435, 54.5044

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.



49.5551, 49.8838, 57.4923



46.1410, 49.8838, 48.7916



47.5258, 49.8838, 61.3956

Square

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



46.1410, 49.8838, 48.7916



45.4430, 49.8838, 58.0747



48.7083, 49.8838, 60.2402



49.4392, 49.8838, 50.7211

Rectangle

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



46.1410, 49.8838, 48.7916



45.0963, 49.8838, 53.4576



48.7083, 49.8838, 60.2402



49.8079, 49.8838, 55.1815

Sweetspot

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



46.1424, 49.8860, 48.7927



85.3257, 90.5539, 95.3448



45.4477, 47.0425, 48.2805



18.3632, 19.4796, 20.5461



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



46.1424, 49.8860, 48.7927



81.5620, 88.8555, 84.2408



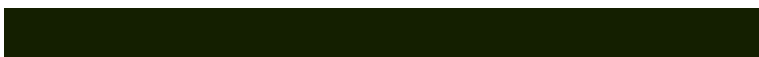
44.7254, 49.1555, 48.7264



10.0047, 10.9568, 10.1642



18.1131, 27.5135, 4.3560



0.7762, 1.1121, 0.1737

Inverse Universe

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



43.9654, 44.9435, 54.5044



76.6315, 77.6613, 97.1774



45.4027, 45.6844, 54.5717



9.3083, 9.3758, 11.9913



7.6343, 3.2217, 32.6124



0.3698, 0.1627, 1.2808

Previews

White Background



This preview shows how the XYZ color 46.1410, 49.8838, 48.7916 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 46.1410, 49.8838, 48.7916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

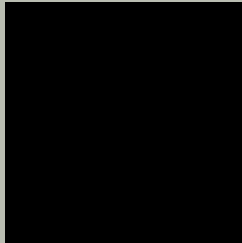
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

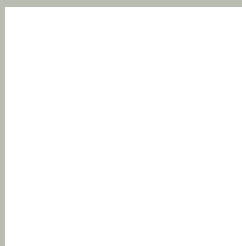
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1410, 49.8838, 48.7916

Background



This preview shows how black text looks on a background with the XYZ color 46.1410, 49.8838, 48.7916.



This preview shows how white text looks on a background with the XYZ color 46.1410, 49.8838,

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

46.1410, 49.8838, 48.7916

Protanopia

47.5991, 50.0127, 48.2190

Deuteranopia

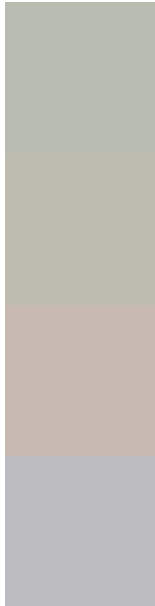
50.6730, 49.7123, 49.5725



Tritanopia

48.9705, 50.1068, 61.7341

Trichromacy



Original Color

46.1410, 49.8838, 48.7916

Protanomaly

47.0549, 50.0482, 48.2545

Deuteranomaly

48.9958, 49.7747, 49.1446

Tritanomaly

48.0238, 50.0378, 56.9963

Monochromacy



Original Color

46.1410, 49.8838, 48.7916

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.5673, 49.3986, 51.8803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1410, 49.8838, 48.7916 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(185, 189, 177)` looks like.

```
.text, #text, p{  
    color:rgb(185, 189, 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(185, 189, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 189, 177) }
```

Border

The CSS property to change the border of an element to XYZ 46.1410, 49.8838, 48.7916 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(185, 189, 177) }
```


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

```
.border{ border-color:rgb(185, 189, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 189, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 189, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 189, 177);  
box-shadow:4px 4px 4px 4px rgb(185, 189,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1410, 49.8838, 48.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 189, 177) }
```

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

```
.background{ background-color: rgb(185,  
189, 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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