

Converting Colors

XYZ(45.8810, 49.9761, 46.9842)

Have a look what the booklet for
XYZ(45.8810, 49.9761, 46.9842)
contains.

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Color

**XYZ(45.9639, 50.1583,
46.7941)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BEAD
RGB	185, 190, 173
RGB Percent	73%, 75%, 68%
CMY	0.2745, 0.2549, 0.3216
CMYK	0.03, 0.00, 0.09, 0.25
HSL	78°, 12%, 71%
HSV	78°, 9%, 75%
XYZ	45.9639, 50.1583, 46.7941
YIQ	186.5670, 2.4770, -6.3470

Conversions

Conversions Part 2

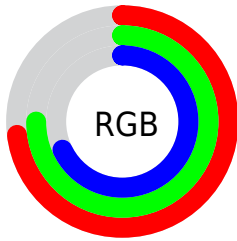
Format	Color
RYB	173, 190, 178
Decimal	12172973
CIELab	76.17, -4.81, 7.98
CIELCh	76, 9.315, 121.075
Yxy	50.1583, 0.3216, 0.3510
Android (android.graphics.Color)	4290363053 (0xFFB9BEAD)
YUV	186.5670, -6.6885, -1.3743
Hunter-Lab	70.8225, -8.0927, 10.4015

Details

The XYZ color **45.9639, 50.1583, 46.7941** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5997, 43.0711, 54.7861**, and the grayscale version is **47.0269, 49.4759, 53.8793**.

A 20% lighter version of the original color is **83.2350, 90.2137, 86.4248**, and **21.9126, 24.1773, 21.6009** is the 20% darker color. If you saturate the color by 10%, you get **42.9326, 48.7946, 37.7278**, and if you desaturate by 10%, it is **49.3125, 51.6583, 57.2422**.

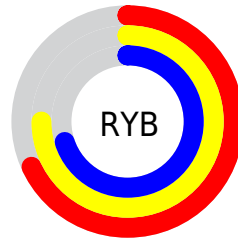
Distribution



Red (73%)

Green (75%)

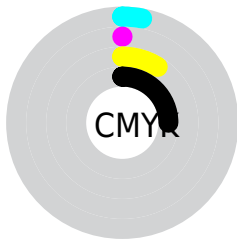
Blue (68%)



Red (68%)

Yellow (75%)

Blue (70%)

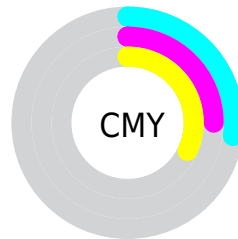


Cyan (3%)

Magenta (0%)

Yellow (9%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9639, 50.1583, 46.7941 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 45.9639, 50.1583, 46.7941 by changing the saturation by 10% instead.

■ 45.9639, 50.1583,
46.7941

■ 45.9639, 50.1583,
46.7941

361.3819,
387.2847, 390.3620

■ 32.4218, 35.5392,
32.5197

■ 83.3932, 90.4094,
86.7530

■ 21.8410, 24.0785,
21.4907

108.0111,
116.8101, 113.2745

■ 13.8561, 15.3919,
13.2884

137.0516,
147.9069, 144.7156

■ 8.1017, 9.0949,
7.4944

170.8802,
184.0841, 181.4947

■ 4.2124, 4.8031,
3.6901

209.8622,
225.7260, 224.0303

■ 1.8230, 2.1322,
1.4569

254.3629,

■ 0.5315, 0.6826,

273.2172, 272.7410

0.1855

304.7477,
326.9419, 328.0454

■ 0.0000, 0.0000,
0.0000

■ 45.9639, 50.1583,
46.7941

■ 45.9639, 50.1583,
46.7941

■ 42.9326, 48.7946,
37.7278

■ 49.3125, 51.6583,
57.2422

■ 40.2030, 47.5561,
29.9822

■ 52.9852, 53.2924,
69.1234

■ 37.7640, 46.4397,
23.4964

■ 56.9938, 55.0672,
82.4901

■ 35.6022, 45.4402,
18.2036

■ 61.3480, 56.9866,
97.3913

■ 33.7033, 44.5517,
14.0306

■ 63.8922, 58.1884,
102.4717

■ 32.0510, 43.7676,
10.8962

■ 65.5417, 59.0387,
102.5489

■ 30.6274, 43.0806,
8.7085

■ 67.2476, 59.9182,
102.6288

■ 29.4112, 42.4822,
7.3591

■ 69.0105, 60.8270,
102.7113

■ 28.3661, 41.9579,
6.6610

■ 70.8310, 61.7655,
102.7965

Harmonies

Analogous

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



47.6111, 50.1583, 45.5632



45.9639, 50.1583, 46.7941



44.7986, 50.1583, 50.0991

Triad

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



45.9639, 50.1583, 46.7941



46.0703, 50.1583, 63.4585



51.1061, 50.1583, 54.4339

Complementary

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



45.9639, 50.1583, 46.7941



42.5997, 43.0711, 54.7861

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.



50.6697, 50.1583, 59.3920



45.9639, 50.1583, 46.7941



47.7369, 50.1583, 64.7900

Square

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



45.9639, 50.1583, 46.7941



44.8590, 50.1583, 59.7226



49.4259, 50.1583, 63.2596



50.6043, 50.1583, 49.8051

Rectangle

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



45.9639, 50.1583, 46.7941



44.4372, 50.1583, 53.1374



49.4259, 50.1583, 63.2596



51.0642, 50.1583, 56.1175

Sweetspot

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



45.9653, 50.1605, 46.7952



86.7999, 92.4653, 95.6559



44.6637, 45.7337, 46.0093



18.9517, 20.2559, 20.6649



92.9021, 97.7402, 106.4391



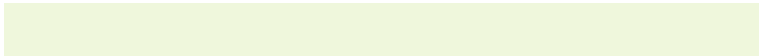
19.4759, 20.4902, 22.3138

Same Dimension

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



45.9653, 50.1605, 46.7952



82.0177, 90.3212, 80.9194



44.0173, 49.1562, 46.7040



10.0414, 10.9757, 10.1659



18.8725, 27.9050, 4.3915



0.8016, 1.1252, 0.1749

Inverse Universe

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



42.5997, 43.0711, 54.7861



74.5147, 74.5159, 98.7348



44.5662, 44.0849, 54.8781



9.2733, 9.3577, 11.9897



7.3305, 3.0651, 32.5982



0.3548, 0.1549, 1.2801

Previews

White Background



This preview shows how the XYZ color 45.9639, 50.1583, 46.7941 looks on a white background.

Color Contrast Check

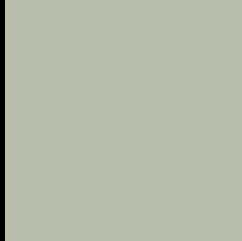
Large Text (above 18pt) WCAG AA × Fail

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 45.9639, 50.1583, 46.7941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

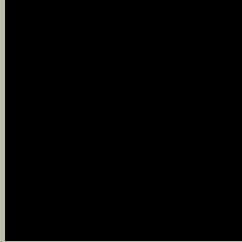
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9639, 50.1583, 46.7941

Background



This preview shows how black text looks on a background with the XYZ color 45.9639, 50.1583, 46.7941.



This preview shows how white text looks on a background with the XYZ color 45.9639, 50.1583,

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

45.9639, 50.1583, 46.7941

Protanopia

47.6267, 50.0830, 45.6849

Deuteranopia

51.1257, 49.9918, 47.5122



Tritanopia

49.0878, 50.1537, 62.3518

Trichromacy



Original Color

45.9639, 50.1583, 46.7941

Protanomaly

46.9155, 50.0214, 46.2121

Deuteranomaly

49.1376, 49.8935, 47.0850

Tritanomaly

47.9133, 49.9936, 56.4146

Monochromacy



Original Color

45.9639, 50.1583, 46.7941

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6764, 49.7829, 51.4049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9639, 50.1583, 46.7941 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, 190, 173)` looks like.

```
.text, #text, p{  
    color:rgb(185, 190, 173)  
}
```

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, 190, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 190, 173) }
```

Border

The CSS property to change the border of an element to XYZ 45.9639, 50.1583, 46.7941 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, 190, 173) }
```


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

```
.border{ border-color:rgb(185, 190, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 190, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 190, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 190, 173);  
box-shadow:4px 4px 4px 4px rgb(185, 190,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9639, 50.1583, 46.7941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 190, 173) }
```

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

```
.background{ background-color: rgb(185,  
190, 173) }
```

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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