

Converting Colors

XYZ(45.5261, 47.9554, 46.4548)

Have a look what the booklet for
XYZ(45.5261, 47.9554, 46.4548)
contains.

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Color

**XYZ(45.6696, 48.1169,
46.4156)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB8AD
RGB	189, 184, 173
RGB Percent	74%, 72%, 68%
CMY	0.2588, 0.2784, 0.3216
CMYK	0.00, 0.03, 0.08, 0.26
HSL	41°, 11%, 71%
HSV	41°, 8%, 74%
XYZ	45.6696, 48.1169, 46.4156
YIQ	184.2410, 6.5110, -2.3610

Conversions

Conversions Part 2

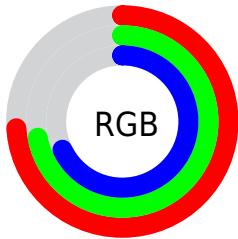
Format	Color
RYB	180, 189, 173
Decimal	12433581
CIELab	74.90, -0.18, 6.20
CIELCh	75, 6.203, 91.691
Yxy	48.1169, 0.3257, 0.3432
Android (android.graphics.Color)	4290623661 (0xFFBDB8AD)
YUV	184.2410, -5.5418, 4.1736
Hunter-Lab	69.3663, -3.8698, 8.8833

Details

The XYZ color **45.6696, 48.1169, 46.4156** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.3393, 44.3985, 54.4830**, and the grayscale version is **45.7214, 48.1025, 52.3836**.

A 20% lighter version of the original color is **82.8199, 87.3341, 85.8909**, and **21.7208, 22.8473, 21.3543** is the 20% darker color. If you saturate the color by 10%, you get **42.7685, 45.0369, 37.0549**, and if you desaturate by 10%, it is **48.8833, 51.4069, 57.1581**.

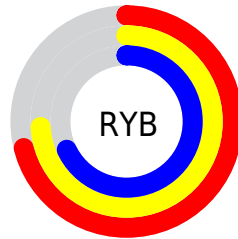
Distribution



Red (74%)

Green (72%)

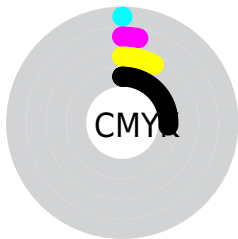
Blue (68%)



Red (71%)

Yellow (74%)

Blue (68%)

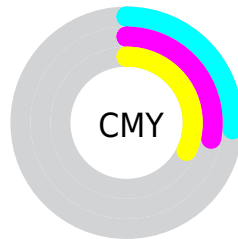


Cyan (0%)

Magenta (3%)

Yellow (8%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6696, 48.1169, 46.4156 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 45.6696, 48.1169, 46.4156 by changing the saturation by 10% instead.

■ 45.6696, 48.1169,
46.4156

■ 45.6696, 48.1169,
46.4156

360.2170,
379.2553, 388.8030

■ 32.1887, 33.9195,
32.2229

■ 82.9552, 87.3784,
86.1815

■ 21.6619, 22.8317,
21.2656

107.4906,
113.2113, 112.5917

■ 13.7239, 14.4693,
13.1251

136.4416,
143.6915, 143.9115

■ 8.0093, 8.4478,
7.3830

170.1734,
179.2033, 180.5594

■ 4.1528, 4.3828,
3.6207

209.0515,
220.1312, 222.9539

■ 1.7889, 1.8899,
1.4197

253.4413,

■ 0.5110, 0.5423,

266.8596, 271.5137

0.1570

303.7080,
319.7728, 326.6572

■ 0.0000, 0.0000,
0.0000

■ 45.6696, 48.1169,
46.4156

■ 45.6696, 48.1169,
46.4156

■ 42.7685, 45.0369,
37.0549

■ 48.8833, 51.4069,
57.1581

■ 40.1645, 42.1551,
29.0158

■ 52.4165, 54.9060,
69.3329

■ 37.8468, 39.4677,
22.2382

■ 56.2805, 58.6212,
82.9922

■ 35.8024, 36.9684,
16.6561

■ 60.4852, 62.5573,
98.1841

■ 34.0168, 34.6505,
12.1976

■ 62.9608, 65.8875,
104.0069

■ 32.4744, 32.5066,
8.7826

■ 64.4774, 68.9206,
104.5124

■ 31.1573, 30.5284,
6.3209

■ 66.0485, 72.0630,
105.0362

■ 30.0447, 28.7067,
4.7064

■ 67.6749, 75.3157,
105.5783

■ 29.1031, 27.0267,
3.7661

■ 69.3570, 78.6800,
106.1390

Harmonies

Analogous

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



46.7715, 48.1169, 47.1028



45.6696, 48.1169, 46.4156



44.6020, 48.1169, 47.2740

Triad

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



45.6696, 48.1169, 46.4156



43.9102, 48.1169, 55.7277



47.6729, 48.1169, 55.3970

Complementary

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



45.6696, 48.1169, 46.4156



42.3393, 44.3985, 54.4830

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.



46.8843, 48.1169, 57.8648



45.6696, 48.1169, 46.4156



44.7113, 48.1169, 58.0612

Square

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



45.6696, 48.1169, 46.4156



43.5966, 48.1169, 52.5749



45.7978, 48.1169, 58.8587



47.9395, 48.1169, 52.2078

Rectangle

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



45.6696, 48.1169, 46.4156



44.0503, 48.1169, 48.6286



45.7978, 48.1169, 58.8587



47.4594, 48.1169, 56.3429

Sweetspot

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



45.6709, 48.1190, 46.4166



84.8423, 89.3239, 93.2401



43.9731, 43.9237, 48.3157



18.1451, 19.1065, 19.7170



90.7827, 95.5105, 104.0109



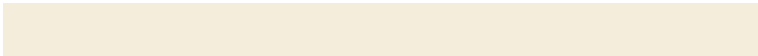
18.6292, 19.5994, 21.3438

Same Dimension

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



45.6709, 48.1190, 46.4166



80.8763, 85.2191, 80.1188



46.0070, 49.8604, 46.7351



10.0641, 10.6041, 10.0930



19.5598, 18.1584, 2.4740



0.8221, 0.8231, 0.1155

Inverse Universe

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



42.3393, 44.3985, 54.4830



73.7968, 77.3135, 97.2597



42.0190, 42.7843, 54.1883



9.2531, 9.6985, 12.0565



7.2941, 4.7000, 32.9157



0.3458, 0.3043, 1.3094

Previews

White Background



This preview shows how the XYZ color 45.6696, 48.1169, 46.4156 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 45.6696, 48.1169, 46.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

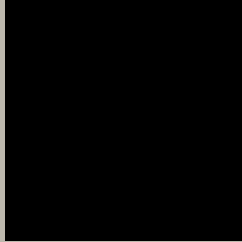
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

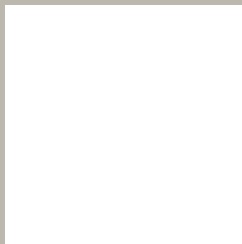
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6696, 48.1169, 46.4156

Background



This preview shows how black text looks on a background with the XYZ color 45.6696, 48.1169, 46.4156.

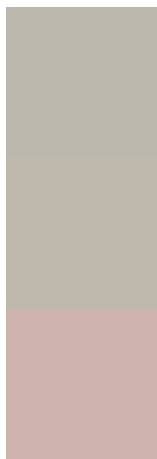


This preview shows how white text looks on a background with the XYZ color 45.6696, 48.1169,

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

45.6696, 48.1169, 46.4156

Protanopia

45.9185, 48.2453, 46.4273

Deuteranopia

49.0140, 48.0186, 46.7296



Tritanopia

48.1124, 48.1943, 58.3964

Trichromacy



Original Color

45.6696, 48.1169, 46.4156

Protanomaly

45.9185, 48.2453, 46.4273

Deuteranomaly

47.7807, 47.9779, 46.7867

Tritanomaly

47.1834, 48.1201, 53.8150

Monochromacy



Original Color

45.6696, 48.1169, 46.4156

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.6284, 48.0154, 50.0430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6696, 48.1169, 46.4156 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(189, 184, 173)` looks like.

```
.text, #text, p{  
    color:rgb(189, 184, 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(189, 184, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 184, 173) }
```

Border

The CSS property to change the border of an element to XYZ 45.6696, 48.1169, 46.4156 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(189, 184, 173) }
```


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

```
.border{ border-color:rgb(189, 184, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 184, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 184, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 184, 173);  
box-shadow:4px 4px 4px 4px rgb(189, 184,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6696, 48.1169, 46.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 184, 173) }
```

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

```
.background{ background-color: rgb(189,  
184, 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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