

Converting Colors

XYZ(45.7689, 48.2448, 47.7262)

Have a look what the booklet for
XYZ(45.7689, 48.2448, 47.7262)
contains.

XYZ(45.7160, 48.1069, 47.9504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7160, 48.1069,
47.9504)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB8B0
RGB	188, 184, 176
RGB Percent	74%, 72%, 69%
CMY	0.2627, 0.2784, 0.3098
CMYK	0.00, 0.02, 0.06, 0.26
HSL	40°, 8%, 71%
HSV	40°, 6%, 74%
XYZ	45.7160, 48.1069, 47.9504
YIQ	184.2840, 4.9520, -1.6400

Conversions

Conversions Part 2

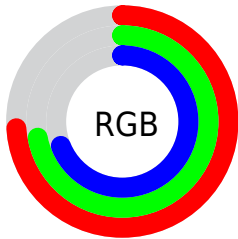
Format	Color
RYB	182, 188, 176
Decimal	12368048
CIELab	74.89, -0.02, 4.55
CIELCh	75, 4.549, 90.294
Yxy	48.1069, 0.3225, 0.3393
Android (android.graphics.Color)	4290558128 (0xFFBCB8B0)
YUV	184.2840, -4.0840, 3.2589
Hunter-Lab	69.3591, -3.7256, 7.5621

Details

The XYZ color **45.7160, 48.1069, 47.9504** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.3029, 45.5029, 54.0782**, and the grayscale version is **45.7380, 48.1199, 52.4026**.

A 20% lighter version of the original color is **83.0338, 87.3795, 88.8335**, and **21.7461, 22.8387, 22.3310** is the 20% darker color. If you saturate the color by 10%, you get **42.7116, 44.8713, 38.3984**, and if you desaturate by 10%, it is **49.0383, 51.5649, 58.8806**.

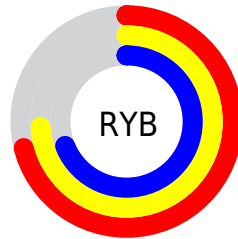
Distribution



Red (74%)

Green (72%)

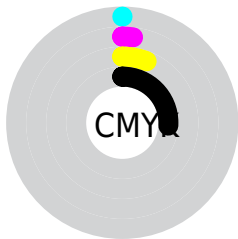
Blue (69%)



Red (71%)

Yellow (74%)

Blue (69%)

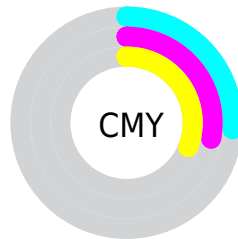


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7160, 48.1069, 47.9504 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 45.7160, 48.1069, 47.9504 by changing the saturation by 10% instead.

■ 45.7160, 48.1069,
47.9504

■ 45.7160, 48.1069,
47.9504

360.4008,
379.2157, 395.0985

■ 32.2254, 33.9116,
33.4279

■ 83.0243, 87.3635,
88.4953

■ 21.6901, 22.8257,
22.1806

107.5727,
113.1936, 115.3548

■ 13.7447, 14.4648,
13.7901

136.5378,
143.6708, 147.1638

■ 8.0238, 8.4447,
7.8378

170.2849,
179.1793, 184.3406

■ 4.1621, 4.3808,
3.9050

209.1794,
220.1037, 227.3040

■ 1.7943, 1.8888,
1.5734

253.5867,

■ 0.5142, 0.5416,

266.8283, 276.4724

0.2717

303.8720,
319.7375, 332.2644

■ 0.0000, 0.0000,
0.0000

■ 45.7160, 48.1069,
47.9504

■ 45.7160, 48.1069,
47.9504

■ 42.7116, 44.8713,
38.3984

■ 49.0383, 51.5649,
58.8806

■ 40.0099, 41.8462,
30.1657

■ 52.6852, 55.2445,
71.2384

■ 37.6001, 39.0276,
23.1940

■ 56.6681, 59.1528,
85.0744

■ 35.4695, 36.4092,
17.4191

■ 60.9966, 63.2950,
100.4360

■ 33.6040, 33.9841,
12.7713

■ 63.1693, 66.6714,
104.1472

■ 31.9883, 31.7449,
9.1735

■ 64.7974, 69.9278,
104.6900

■ 30.6050, 29.6834,
6.5390

■ 66.4873, 73.3075,
105.2533

■ 29.4343, 27.7903,
4.7668

■ 68.2396, 76.8121,
105.8373

■ 28.4503, 26.0539,
3.7247

■ 70.0549, 80.4426,
106.4424

Harmonies

Analogous

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



46.5179, 48.1069, 48.5177



45.7160, 48.1069, 47.9504



44.9255, 48.1069, 48.5399

Triad

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



45.7160, 48.1069, 47.9504



44.3628, 48.1069, 54.7148



47.1214, 48.1069, 54.6731

Complementary

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



45.7160, 48.1069, 47.9504



43.3029, 45.5029, 54.0782

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.



46.5322, 48.1069, 56.4179



45.7160, 48.1069, 47.9504



44.9395, 48.1069, 56.4425

Square

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



45.7160, 48.1069, 47.9504



44.1500, 48.1069, 52.4036



45.7323, 48.1069, 57.0748



47.3353, 48.1069, 52.3569

Rectangle

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



45.7160, 48.1069, 47.9504



44.5099, 48.1069, 49.5201



45.7323, 48.1069, 57.0748



46.9604, 48.1069, 55.3484

Sweetspot

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



45.7173, 48.1090, 47.9514



85.4017, 89.8647, 95.2078



44.5033, 45.0381, 49.5284



18.3787, 19.3390, 20.5182



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.



45.7173, 48.1090, 47.9514



81.8619, 86.1353, 83.6999



46.0700, 49.5408, 48.2092



10.0472, 10.5705, 10.0874



19.2171, 17.4730, 2.3598



0.8105, 0.8000, 0.1117

Inverse Universe

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



43.3029, 45.5029, 54.0782



76.3527, 80.1888, 97.6800



42.9632, 44.1473, 53.8344



9.2692, 9.7306, 12.0619



7.4377, 4.9870, 32.9635



0.3527, 0.3181, 1.3117

Previews

White Background



This preview shows how the XYZ color 45.7160, 48.1069, 47.9504 looks on a white background.

Color Contrast Check

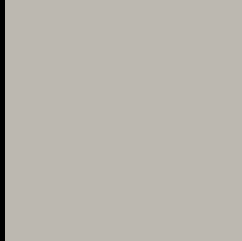
Large Text (above 18pt) WCAG AA × Fail

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 45.7160, 48.1069, 47.9504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

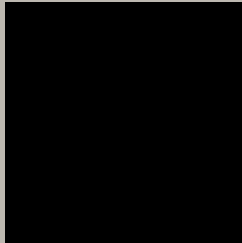
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7160, 48.1069, 47.9504

Background



This preview shows how black text looks on a background with the XYZ color 45.7160, 48.1069, 47.9504.



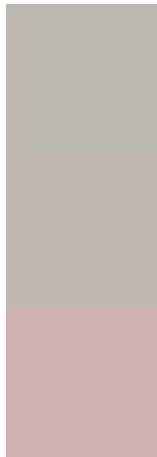
This preview shows how white text looks on a background with the XYZ color 45.7160, 48.1069,

47.9504.

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

45.7160, 48.1069, 47.9504

Protanopia

46.2122, 48.3627, 47.9736

Deuteranopia

49.0330, 47.9943, 48.2745



Tritanopia

47.8601, 48.0642, 58.3846

Trichromacy



Original Color

45.7160, 48.1069, 47.9504

Protanomaly

45.9632, 48.2344, 47.9619

Deuteranomaly

47.8103, 47.9590, 48.3321

Tritanomaly

47.0403, 48.0339, 54.3691

Monochromacy



Original Color

45.7160, 48.1069, 47.9504

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4886, 47.9315, 50.5703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7160, 48.1069, 47.9504 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(188, 184, 176)` looks like.

```
.text, #text, p{  
    color:rgb(188, 184, 176)  
}
```

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(188, 184, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 184, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.7160, 48.1069, 47.9504 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(188, 184, 176) }
```


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

```
.border{ border-color:rgb(188, 184, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 184, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 184, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 184, 176);  
box-shadow:4px 4px 4px 4px rgb(188, 184,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7160, 48.1069, 47.9504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 184, 176) }
```

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

```
.background{ background-color: rgb(188,  
184, 176) }
```

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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