

Converting Colors

XYZ(45.8681, 49.0415, 47.6270)

Have a look what the booklet for
XYZ(45.8681, 49.0415, 47.6270)
contains.

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Color

**XYZ(46.0017, 49.2006,
47.6296)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBBAF
RGB	187, 187, 175
RGB Percent	73%, 73%, 69%
CMY	0.2667, 0.2666, 0.3137
CMYK	0.00, 0.00, 0.06, 0.27
HSL	60°, 8%, 71%
HSV	60°, 6%, 73%
XYZ	46.0017, 49.2006, 47.6296
YIQ	185.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

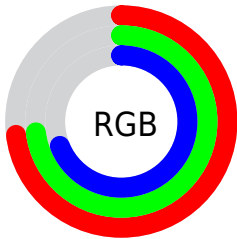
Format	Color
RYB	175, 187, 175
Decimal	12303279
CIELab	75.58, -2.16, 6.07
CIELCh	76, 6.439, 109.560
Yxy	49.2006, 0.3221, 0.3445
Android (android.graphics.Color)	4290493359 (0xFFB8B8BAF)
YUV	185.6320, -5.2416, 1.1997
Hunter-Lab	70.1431, -5.6855, 8.8403

Details

The XYZ color **46.0017, 49.2006, 47.6296** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.9808, 43.3631, 53.1736**, and the grayscale version is **46.4943, 48.9156, 53.2691**.

A 20% lighter version of the original color is **83.4365, 88.9254, 88.3680**, and **21.9318, 23.5486, 22.1283** is the 20% darker color. If you saturate the color by 10%, you get **44.2899, 48.5173, 38.6167**, and if you desaturate by 10%, it is **47.9706, 49.9899, 57.9843**.

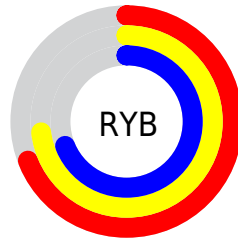
Distribution



Red (73%)

Green (73%)

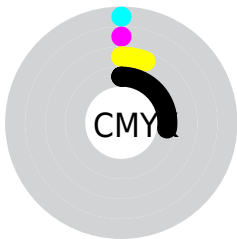
Blue (69%)



Red (69%)

Yellow (73%)

Blue (69%)

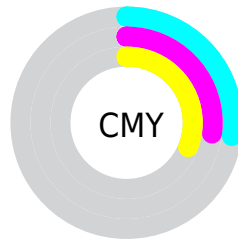


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0017, 49.2006, 47.6296 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 46.0017, 49.2006, 47.6296 by changing the saturation by 10% instead.

■ 46.0017, 49.2006,
47.6296

■ 46.0017, 49.2006,
47.6296

361.5313,
383.5315, 393.7883

■ 32.4518, 34.7786,
33.1757

■ 83.4494, 88.9893,
88.0125

■ 21.8640, 23.4924,
21.9889

108.0779,
115.1249, 114.7785

■ 13.8731, 14.9575,
13.6505

137.1299,
145.9337, 146.4858

■ 8.1135, 8.7896,
7.7420

170.9709,
181.8003, 183.5527

■ 4.2201, 4.6042,
3.8449

209.9662,
223.1089, 226.3979

■ 1.8274, 2.0170,
1.5407

254.4811,

■ 0.5341, 0.6173,

270.2441, 275.4399

0.2479

304.8810,
323.5902, 331.0972

■ 0.0000, 0.0000,
0.0000

■ 46.0017, 49.2006,
47.6296

■ 46.0017, 49.2006,
47.6296

■ 44.2899, 48.5173,
38.6167

■ 47.9706, 49.9899,
57.9843

■ 42.8207, 47.9295,
30.8878

■ 50.2024, 50.8828,
69.7293

■ 41.5845, 47.4348,
24.3854

■ 52.7077, 51.8851,
82.9143

■ 40.5692, 47.0285,
19.0465

■ 55.4953, 53.0003,
97.5861

■ 39.7619, 46.7054,
14.8025

■ 56.3222, 53.3312,
101.9332

■ 39.1480, 46.4597,
11.5775

■ 56.3237, 53.3320,
101.9333

■ 38.7115, 46.2849,
9.2861

■ 56.3251, 53.3327,
101.9333

■ 38.4333, 46.1735,
7.8291

■ 56.3266, 53.3335,
101.9334

■ 38.2888, 46.1155,
7.0755

■ 56.3280, 53.3342,
101.9335

Harmonies

Analogous

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



47.1796, 49.2006, 47.3806



46.0017, 49.2006, 47.6296



45.0435, 49.2006, 49.4313

Triad

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



46.0017, 49.2006, 47.6296



45.2949, 49.2006, 58.7157



49.0506, 49.2006, 54.7675

Complementary

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



46.0017, 49.2006, 47.6296



41.9808, 43.3631, 53.1736

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.



48.5271, 49.2006, 57.9358



46.0017, 49.2006, 47.6296



46.3502, 49.2006, 60.2785

Square

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



46.0017, 49.2006, 47.6296



44.6403, 49.2006, 55.7954



47.5341, 49.2006, 59.9872



48.9534, 49.2006, 51.4067

Rectangle

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



46.0017, 49.2006, 47.6296



44.6519, 49.2006, 51.3147



47.5341, 49.2006, 59.9872



48.9410, 49.2006, 55.8926

Sweetspot

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



46.0031, 49.2027, 47.6307



83.8752, 88.7126, 93.1339



43.5629, 44.3211, 46.8170



18.4787, 19.5392, 20.5515



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.



46.0031, 49.2027, 47.6307



81.8301, 87.8943, 82.3726



44.5661, 48.4620, 47.5634



10.3220, 11.1204, 10.1791



26.3544, 31.7621, 4.7417



1.0324, 1.2442, 0.1857

Inverse Universe

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



41.9808, 43.3631, 53.1736



72.8108, 74.8000, 94.8017



43.3572, 44.0727, 53.2380



9.0168, 9.2255, 11.9777



6.1808, 2.4724, 32.5444



0.2422, 0.0969, 1.2748

Previews

White Background



This preview shows how the XYZ color 46.0017, 49.2006, 47.6296 looks on a white background.

Color Contrast Check

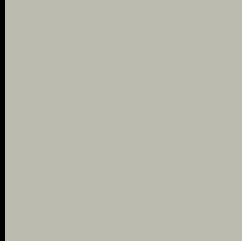
Large Text (above 18pt) WCAG AA × Fail

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 46.0017, 49.2006, 47.6296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

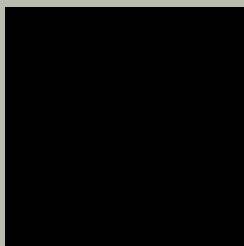
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

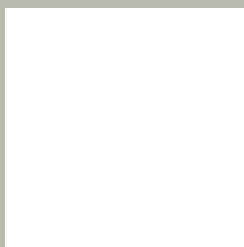
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0017, 49.2006, 47.6296

Background



This preview shows how black text looks on a background with the XYZ color 46.0017, 49.2006, 47.6296.



This preview shows how white text looks on a background with the XYZ color 46.0017, 49.2006,

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

46.0017, 49.2006, 47.6296

Protanopia

46.7272, 48.9604, 47.0319

Deuteranopia

50.1702, 49.1870, 47.9241



Tritanopia

48.5687, 49.3053, 60.3831

Trichromacy



Original Color

46.0017, 49.2006, 47.6296

Protanomaly

46.4341, 49.1210, 47.0784

Deuteranomaly

48.5894, 49.2809, 48.0255

Tritanomaly

47.6295, 49.2344, 55.7081

Monochromacy



Original Color

46.0017, 49.2006, 47.6296

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2521, 48.9343, 51.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0017, 49.2006, 47.6296 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(187, 187, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 175)  
}
```

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(187, 187, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 175) }
```

Border

The CSS property to change the border of an element to XYZ 46.0017, 49.2006, 47.6296 is called "border". The border property can be set on classes, ids or directly on the HTML element.

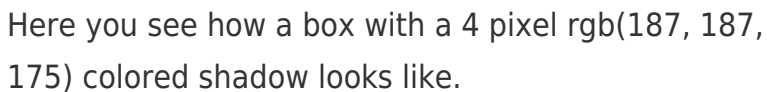
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 187, 175) }
```


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

```
.border{ border-color:rgb(187, 187, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 187, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 187, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 187, 175); box-shadow:4px 4px 4px 4px rgb(187, 187, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0017, 49.2006, 47.6296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 175) }
```

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

```
.background{ background-color: rgb(187,  
187, 175) }
```

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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