

Converting Colors

XYZ(46.8162, 50.8705, 47.5872)

Have a look what the booklet for
XYZ(46.8162, 50.8705, 47.5872)
contains.

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Color

**XYZ(46.7643, 50.8824,
47.4009)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBFAE
RGB	187, 191, 174
RGB Percent	73%, 75%, 68%
CMY	0.2667, 0.2510, 0.3176
CMYK	0.02, 0.00, 0.09, 0.25
HSL	74°, 12%, 72%
HSV	74°, 9%, 75%
XYZ	46.7643, 50.8824, 47.4009
YIQ	187.8660, 3.0730, -6.1350

Conversions

Conversions Part 2

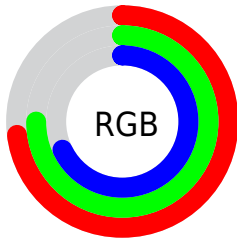
Format	Color
RYB	174, 191, 178
Decimal	12304302
CIELab	76.61, -4.45, 8.09
CIELCh	77, 9.231, 118.791
Yxy	50.8824, 0.3224, 0.3508
Android (android.graphics.Color)	4290494382 (0xFFBBBFAE)
YUV	187.8660, -6.8359, -0.7595
Hunter-Lab	71.3319, -7.8085, 10.5334

Details

The XYZ color **46.7643, 50.8824, 47.4009** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.9021, 43.5000, 55.4281**, and the grayscale version is **47.7614, 50.2488, 54.7209**.

A 20% lighter version of the original color is **84.3658, 91.2334, 87.2920**, and **22.4328, 24.6504, 21.9880** is the 20% darker color. If you saturate the color by 10%, you get **43.9504, 49.6334, 38.2305**, and if you desaturate by 10%, it is **49.8803, 52.2596, 57.9698**.

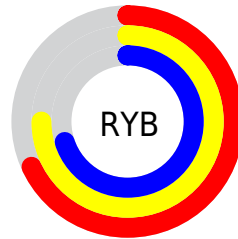
Distribution



Red (73%)

Green (75%)

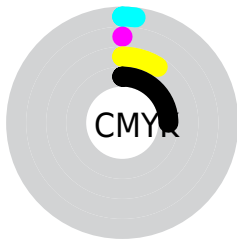
Blue (68%)



Red (68%)

Yellow (75%)

Blue (70%)

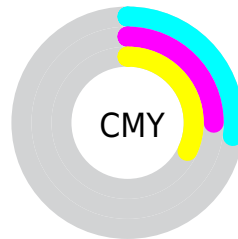


Cyan (2%)

Magenta (0%)

Yellow (9%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7643, 50.8824, 47.4009 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 46.7643, 50.8824, 47.4009 by changing the saturation by 10% instead.

■ 46.7643, 50.8824,
47.4009

■ 46.7643, 50.8824,
47.4009

364.5376,
390.1067, 392.8525

■ 33.0565, 36.1150,
32.9961

■ 84.5826, 91.4809,
87.6680

■ 22.3292, 24.5230,
21.8524

109.4238,
118.0808, 114.3673

■ 14.2169, 15.7221,
13.5512

138.7069,
149.3938, 146.0019

■ 8.3544, 9.3277,
7.6740

172.7972,
185.8040, 182.9903

■ 4.3763, 4.9555,
3.8023

212.0600,
227.6961, 225.7510

■ 1.9171, 2.2212,
1.5175

256.8608,

■ 0.5868, 0.7315,

275.4543, 274.7025

0.2309

307.5649,
329.4630, 330.2635

■ 0.0000, 0.0000,
0.0000

■ 46.7643, 50.8824,
47.4009

■ 46.7643, 50.8824,
47.4009

■ 43.9504, 49.6334,
38.2305

■ 49.8803, 52.2596,
57.9698

■ 41.4230, 48.5012,
30.3967

■ 53.3049, 53.7626,
69.9890

■ 39.1713, 47.4833,
23.8379

■ 57.0499, 55.3977,
83.5117

■ 37.1821, 46.5742,
18.4864

■ 61.1248, 57.1690,
98.5874

■ 35.4409, 45.7681,
14.2681

■ 63.1148, 58.1103,
102.4976

■ 33.9320, 45.0588,
11.1009

■ 64.4093, 58.7777,
102.5582

■ 32.6372, 44.4388,
8.8916

■ 65.7401, 59.4637,
102.6205

■ 31.5354, 43.8998,
7.5305

■ 67.1074, 60.1686,
102.6845

■ 30.5906, 43.4273,
6.8302

■ 68.5116, 60.8925,
102.7502

Harmonies

Analogous

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



48.4330, 50.8824, 46.3404



46.7643, 50.8824, 47.4009



45.5491, 50.8824, 50.5711

Triad

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



46.7643, 50.8824, 47.4009



46.6445, 50.8824, 64.0333



51.7946, 50.8824, 55.6053

Complementary

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



46.7643, 50.8824, 47.4009



42.9021, 43.5000, 55.4281

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.



51.2888, 50.8824, 60.5318



46.7643, 50.8824, 47.4009



48.2914, 50.8824, 65.5747

Square

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



46.7643, 50.8824, 47.4009



45.4811, 50.8824, 60.1599



49.9961, 50.8824, 64.2569



51.3625, 50.8824, 50.9023

Rectangle

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



46.7643, 50.8824, 47.4009



45.1452, 50.8824, 53.5553



49.9961, 50.8824, 64.2569



51.7284, 50.8824, 57.2912

Sweetspot

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



46.7657, 50.8846, 47.4020



86.9524, 92.5439, 95.6631



45.0413, 45.9614, 46.5426



18.9940, 20.2777, 20.6669



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.



46.7657, 50.8846, 47.4020



82.5612, 90.6014, 80.9448



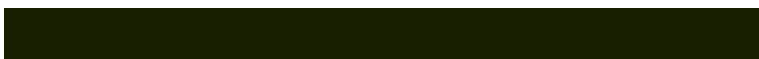
44.7552, 49.8482, 47.3079



10.0967, 11.0043, 10.1685



20.1113, 28.5436, 4.4495



0.8421, 1.1461, 0.1768

Inverse Universe

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



42.9021, 43.5000, 55.4281



74.0092, 74.2553, 98.7111



44.9050, 44.5326, 55.5218



9.2212, 9.3309, 11.9872



6.9513, 2.8696, 32.5804



0.3323, 0.1433, 1.2790

Previews

White Background



This preview shows how the XYZ color 46.7643, 50.8824, 47.4009 looks on a white background.

Color Contrast Check

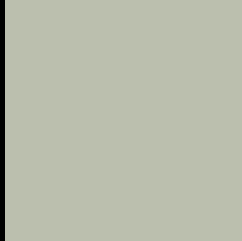
Large Text (above 18pt) WCAG AA × Fail

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 46.7643, 50.8824, 47.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

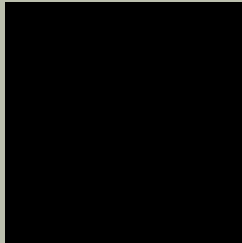
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

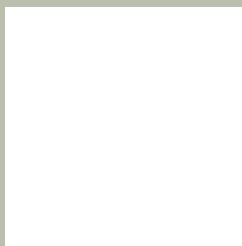
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7643, 50.8824, 47.4009

Background



This preview shows how black text looks on a background with the XYZ color 46.7643, 50.8824, 47.4009.



This preview shows how white text looks on a background with the XYZ color 46.7643, 50.8824,

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

46.7643, 50.8824, 47.4009

Protanopia

48.2910, 50.7193, 46.7798

Deuteranopia

51.7158, 50.5875, 48.1129



Tritanopia

49.9169, 50.8813, 63.0673

Trichromacy



Original Color

46.7643, 50.8824, 47.4009

Protanomaly

47.7327, 50.7498, 46.8151

Deuteranomaly

49.7154, 50.4896, 47.6826

Tritanomaly

48.7329, 50.7194, 57.0905

Monochromacy



Original Color

46.7643, 50.8824, 47.4009

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4839, 50.5055, 52.0456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7643, 50.8824, 47.4009 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, 191, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 174)  
}
```

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, 191, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 174) }
```

Border

The CSS property to change the border of an element to XYZ 46.7643, 50.8824, 47.4009 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, 191, 174) }
```


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

```
.border{ border-color:rgb(187, 191, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 191, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 191, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 191, 174);  
box-shadow:4px 4px 4px 4px rgb(187, 191,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7643, 50.8824, 47.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 174) }
```

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

```
.background{ background-color: rgb(187,  
191, 174) }
```

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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