

Converting Colors

XYZ(47.0457, 50.4784, 41.3581)

Have a look what the booklet for
XYZ(47.0457, 50.4784, 41.3581)
contains.

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Color

**XYZ(46.9673, 50.4732,
41.4493)**

Conversions

Conversions Part 1

Format	Color
Hex	C2BDA2
RGB	194, 189, 162
RGB Percent	76%, 74%, 64%
CMY	0.2392, 0.2588, 0.3647
CMYK	0.00, 0.03, 0.16, 0.24
HSL	51°, 21%, 70%
HSV	51°, 16%, 76%
XYZ	46.9673, 50.4732, 41.4493
YIQ	187.4170, 11.6470, -7.3370

Conversions

Conversions Part 2

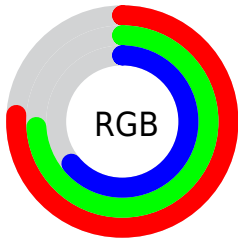
Format	Color
RYB	168, 194, 162
Decimal	12762530
CIELab	76.36, -2.80, 14.29
CIELCh	76, 14.562, 101.095
Yxy	50.4732, 0.3382, 0.3634
Android (android.graphics.Color)	4290952610 (0xFFC2BDA2)
YUV	187.4170, -12.5306, 5.7733
Hunter-Lab	71.0445, -6.3221, 15.1397

Details

The XYZ color **46.9673, 50.4732, 41.4493** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.4564, 39.2129, 56.5812**, and the grayscale version is **47.5348, 50.0103, 54.4612**.

A 20% lighter version of the original color is **84.9605, 90.8238, 78.6985**, and **22.4338, 24.3096, 18.2617** is the 20% darker color. If you saturate the color by 10%, you get **44.7300, 48.5484, 32.8419**, and if you desaturate by 10%, it is **49.4870, 52.5361, 51.4647**.

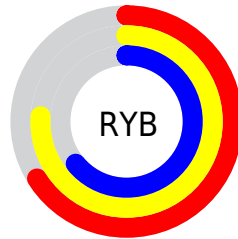
Distribution



Red (76%)

Green (74%)

Blue (64%)



Red (66%)

Yellow (76%)

Blue (64%)

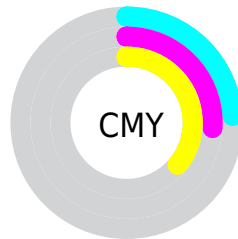


Cyan (0%)

Magenta (3%)

Yellow (16%)

Black (24%)



Cyan (24%)

Magenta (26%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9673, 50.4732, 41.4493 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 46.9673, 50.4732, 41.4493 by changing the saturation by 10% instead.

■ 46.9673, 50.4732,
41.4493

■ 46.9673, 50.4732,
41.4493

365.3351,
388.5136, 367.9271

■ 33.2176, 35.7895,
28.3480

■ 84.8838, 90.8756,
78.6265

■ 22.4533, 24.2717,
18.3468

■ 109.7815,
117.3631, 103.5396

■ 14.3088, 15.5353,
11.0273

139.1257,
148.5540, 133.2269

■ 8.4189, 9.1959,
5.9708

173.2821,
184.8328, 168.1070

■ 4.4182, 4.8692,
2.7588

212.6158,
226.5837, 208.5986

■ 1.9413, 2.1707,
0.9728

257.4924,

■ 0.6007, 0.7040,

274.1912, 255.1201

0.0000

308.2770,
328.0397, 308.0901

0.0000, 0.0000,
0.0000

46.9673, 50.4732,
41.4493

46.9673, 50.4732,
41.4493

44.7300, 48.5484,
32.8419

49.4870, 52.5361,
51.4647

42.7588, 46.7500,
25.5751

52.2966, 54.7352,
62.9447

41.0418, 45.0748,
19.5811

55.4081, 57.0771,
75.9469

39.5648, 43.5169,
14.7845

58.8318, 59.5660,
90.5248

38.3119, 42.0699,
11.1023

61.9263, 61.9455,
103.3005

■ 37.2651, 40.7265,
8.4407

■ 62.6538, 63.4006,
103.5431

■ 36.4036, 39.4782,
6.6905

■ 63.3955, 64.8839,
103.7903

■ 35.7004, 38.3140,
5.7090

■ 64.1513, 66.3955,
104.0422

■ 35.4727, 37.9183,
5.4494

■ 64.9213, 67.9356,
104.2989

Harmonies

Analogous

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



49.6993, 50.4732, 41.8913



46.9673, 50.4732, 41.4493



44.5954, 50.4732, 44.3593

Triad

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



46.9673, 50.4732, 41.4493



44.1142, 50.4732, 65.4748



53.1282, 50.4732, 59.9880

Complementary

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



46.9673, 50.4732, 41.4493



38.4564, 39.2129, 56.5812

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.



51.5176, 50.4732, 67.1204



46.9673, 50.4732, 41.4493



46.2877, 50.4732, 70.4903

Square

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



46.9673, 50.4732, 41.4493



42.9903, 50.4732, 57.9095



48.9935, 50.4732, 71.1197



53.3271, 50.4732, 52.1061

Rectangle

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



46.9673, 50.4732, 41.4493



43.5106, 50.4732, 47.9864



48.9935, 50.4732, 71.1197



52.7311, 50.4732, 62.5714

Sweetspot

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



46.9686, 50.4754, 41.4504



90.3454, 95.7302, 96.0198



42.1749, 40.1130, 42.2414



19.7081, 20.9030, 20.7176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.9686, 50.4754, 41.4504



83.4858, 90.0856, 68.8404



45.4216, 51.3008, 41.6912



10.7752, 11.4818, 10.7102



23.3713, 25.0284, 3.5992



1.0467, 1.1551, 0.1678

Inverse Universe

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



38.4564, 39.2129, 56.5812



64.9960, 65.6231, 101.7106



39.8185, 38.5827, 56.3877



9.6525, 9.9963, 12.7056



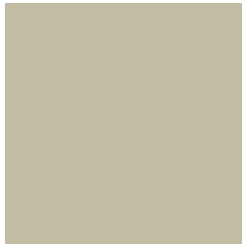
6.7515, 3.2595, 33.8299



0.3328, 0.2230, 1.4754

Previews

White Background



This preview shows how the XYZ color 46.9673, 50.4732, 41.4493 looks on a white background.

Color Contrast Check

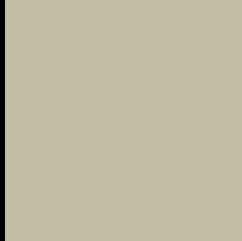
Large Text (above 18pt) WCAG AA × Fail

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 46.9673, 50.4732, 41.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

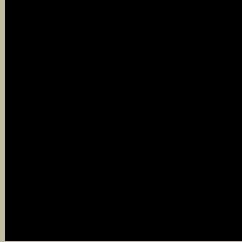
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

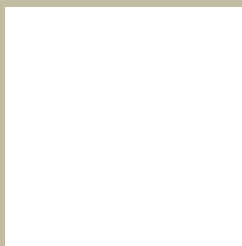
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9673, 50.4732, 41.4493

Background



This preview shows how black text looks on a background with the XYZ color 46.9673, 50.4732, 41.4493.

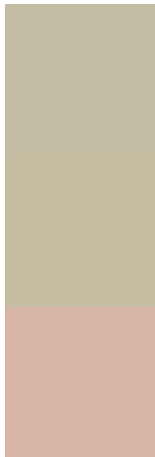


This preview shows how white text looks on a background with the XYZ color 46.9673, 50.4732,

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

46.9673, 50.4732, 41.4493

Protanopia

47.7049, 50.5454, 40.9601

Deuteranopia

51.2490, 50.1752, 42.1056



Tritanopia

50.8867, 50.5003, 60.4916

Trichromacy



Original Color

46.9673, 50.4732, 41.4493

Protanomaly

47.4422, 50.4100, 40.9478

Deuteranomaly

49.4835, 50.1907, 41.7300

Tritanomaly

49.3418, 50.4909, 53.0441

Monochromacy



Original Color

46.9673, 50.4732, 41.4493

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2543, 50.1279, 49.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9673, 50.4732, 41.4493 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(194, 189, 162)` looks like.

```
.text, #text, p{  
    color:rgb(194, 189, 162)  
}
```

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(194, 189, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 189, 162) }
```

Border

The CSS property to change the border of an element to XYZ 46.9673, 50.4732, 41.4493 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(194, 189, 162) }
```


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

```
.border{ border-color:rgb(194, 189, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 189, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 189, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 189, 162);  
box-shadow:4px 4px 4px 4px rgb(194, 189,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9673, 50.4732, 41.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 189, 162) }
```

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

```
.background{ background-color: rgb(194,  
189, 162) }
```

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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