

Converting Colors

XYZ(46.8499, 47.6677, 39.0793)

Have a look what the booklet for
XYZ(46.8499, 47.6677, 39.0793)
contains.

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Color

**XYZ(46.8499, 47.6677,
39.0793)**

Conversions

Conversions Part 1

Format	Color
Hex	CAB49E
RGB	202, 180, 158
RGB Percent	79%, 71%, 62%
CMY	0.2078, 0.2941, 0.3804
CMYK	0.00, 0.11, 0.22, 0.21
HSL	30°, 29%, 71%
HSV	30°, 22%, 79%
XYZ	46.8499, 47.6677, 39.0793
YIQ	184.0700, 20.1740, -2.1780

Conversions

Conversions Part 2

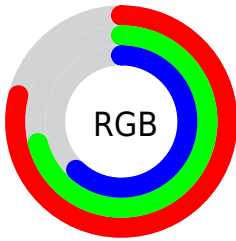
Format	Color
R_{YB}	202, 202, 158
Decimal	13284510
CIE Lab	74.61, 4.39, 14.10
CIE LCh	75, 14.767, 72.725
Yxy	47.6677, 0.3507, 0.3568
Android (android.graphics.Color)	4291474590 (0xFFCAB49E)
YUV	184.0700, -12.8525, 15.7246
Hunter-Lab	69.0418, 0.3021, 14.7697

Details

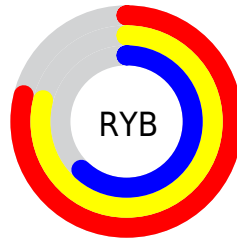
The XYZ color **46.8499, 47.6677, 39.0793** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.0821, 44.1747, 62.2386**, and the grayscale version is **45.6606, 48.0385, 52.3140**.

A 20% lighter version of the original color is **83.2457, 86.0550, 75.1735**, and **22.2758, 22.4433, 17.0678** is the 20% darker color. If you saturate the color by 10%, you get **43.2876, 43.1004, 30.0072**, and if you desaturate by 10%, it is **50.8491, 52.6507, 49.7082**.

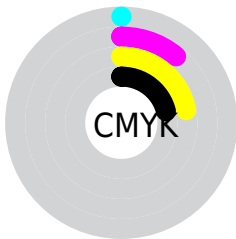
Distribution



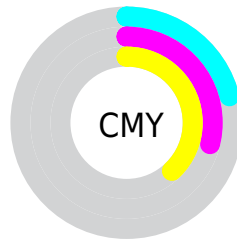
- Red (79%)
- Green (71%)
- Blue (62%)



- Red (79%)
- Yellow (79%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (22%)
- Black (21%)





- Cyan (21%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8499, 47.6677, 39.0793 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 46.8499, 47.6677, 39.0793 by changing the saturation by 10% instead.


 46.8499, 47.6677,
39.0793

 46.8499, 47.6677,
39.0793


364.8740,
377.4735, 357.6635

 33.1245, 33.5638,
26.5131


 84.7096, 86.7094,
74.9811

 22.3815, 22.5587,
16.9787


 109.5746,
112.4161, 99.1538

 14.2557, 14.2680,
10.0575


138.8835,
142.7591, 128.0325

 8.3816, 8.3073,
5.3310

173.0017,
178.1228, 162.0356

 4.3939, 4.2922,
2.3806

212.2945,
218.8918, 201.5817

 1.9273, 1.8383,
0.7759

257.1272,

 0.5926, 0.5109,

265.4503, 247.0894

0.0000

307.8653,
318.1827, 298.9772

■ 0.0000, 0.0000,
0.0000

■ 46.8499, 47.6677,
39.0793

■ 46.8499, 47.6677,
39.0793

■ 43.2876, 43.1004,
30.0072

■ 50.8491, 52.6507,
49.7082

■ 40.1413, 38.9306,
22.4143

■ 55.2975, 58.0542,
61.9603

■ 37.3939, 35.1477,
16.2210

■ 60.2115, 63.8912,
75.9019

■ 35.0255, 31.7385,
11.3386

■ 65.6055, 70.1721,
91.5945

■ 33.0140, 28.6885,
7.6685

■ 70.8421, 76.6464,
105.6682

■ 31.3345, 25.9820,
5.0975

■ 73.7423, 82.4468,
106.6349

■ 29.9580, 23.6012,
3.4906

■ 76.8081, 88.5784,
107.6569

■ 29.0128, 21.8678,
2.6918

■ 78.1672, 91.2966,
108.1099

Harmonies

Analogous

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



49.1875, 47.6677, 42.5437



46.8499, 47.6677, 39.0793



44.1842, 47.6677, 38.8295

Triad

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



46.8499, 47.6677, 39.0793



40.4768, 47.6677, 55.2116



48.8834, 47.6677, 63.4813

Complementary

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



46.8499, 47.6677, 39.0793



41.0821, 44.1747, 62.2386

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.



46.4481, 47.6677, 67.6215



46.8499, 47.6677, 39.0793



41.6356, 47.6677, 62.5410

Square

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



46.8499, 47.6677, 39.0793



40.5749, 47.6677, 47.6532



43.7978, 47.6677, 67.2614



50.3929, 47.6677, 56.3961

Rectangle

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



46.8499, 47.6677, 39.0793



42.5851, 47.6677, 40.4795



43.7978, 47.6677, 67.2614



48.1419, 47.6677, 65.2934

Sweetspot

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



46.8512, 47.6699, 39.0803



89.5271, 93.3414, 93.5338



44.8226, 40.3061, 48.5979



19.0645, 19.8597, 19.7507



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.



46.8512, 47.6699, 39.0803



76.4759, 77.0874, 58.8222



51.6495, 57.2665, 40.6797



11.6681, 12.1251, 11.8048



18.7584, 14.2498, 1.7618



1.0436, 0.8869, 0.1162

Inverse Universe

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



41.0821, 44.1747, 62.2386



65.0417, 70.1600, 104.7219



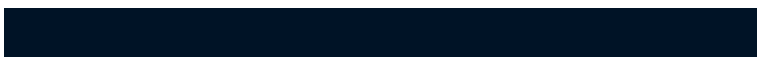
36.9887, 35.9878, 60.8741



11.0573, 11.7551, 14.2565



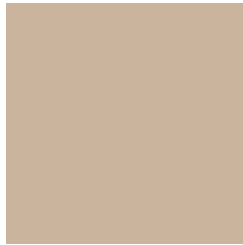
9.9425, 8.9090, 37.1518



0.5888, 0.6114, 1.9419

Previews

White Background



This preview shows how the XYZ color 46.8499, 47.6677, 39.0793 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 46.8499, 47.6677, 39.0793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

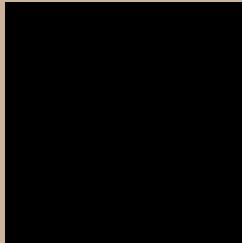
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8499, 47.6677, 39.0793

Background



This preview shows how black text looks on a background with the XYZ color 46.8499, 47.6677, 39.0793.



This preview shows how white text looks on a background with the XYZ color 46.8499, 47.6677,

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

46.8499, 47.6677, 39.0793

Protanopia

45.2710, 47.7425, 40.0869

Deuteranopia

48.5585, 47.6491, 39.4388



Tritanopia

50.1642, 47.8466, 54.7355

Trichromacy



Original Color

46.8499, 47.6677, 39.0793

Protanomaly

45.7509, 47.6949, 39.5956

Deuteranomaly

47.9105, 47.6094, 39.4653

Tritanomaly

48.9349, 47.6378, 48.7353

Monochromacy



Original Color

46.8499, 47.6677, 39.0793

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1572, 48.0385, 47.3970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8499, 47.6677, 39.0793 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(202, 180, 158)` looks like.

```
.text, #text, p{  
    color:rgb(202, 180, 158)  
}
```

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(202, 180, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 180, 158) }
```

Border

The CSS property to change the border of an element to XYZ 46.8499, 47.6677, 39.0793 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(202, 180, 158) }
```


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

```
.border{ border-color:rgb(202, 180, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 180, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 180, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 180, 158);  
box-shadow:4px 4px 4px 4px rgb(202, 180,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8499, 47.6677, 39.0793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 180, 158) }
```

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

```
.background{ background-color: rgb(202,  
180, 158) }
```

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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