

Converting Colors

XYZ(46.4428, 49.8872, 38.6865)

Have a look what the booklet for
XYZ(46.4428, 49.8872, 38.6865)
contains.

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Color

**XYZ(46.4896, 49.9688,
38.6472)**

Conversions

Conversions Part 1

Format	Color
Hex	C3BC9C
RGB	195, 188, 156
RGB Percent	76%, 74%, 61%
CMY	0.2353, 0.2627, 0.3882
CMYK	0.00, 0.04, 0.20, 0.24
HSL	49°, 25%, 69%
HSV	49°, 20%, 76%
XYZ	46.4896, 49.9688, 38.6472
YIQ	186.4450, 14.4440, -8.4680

Conversions

Conversions Part 2

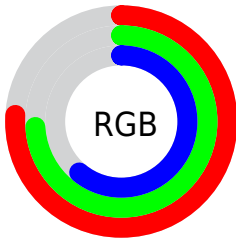
Format	Color
RYB	165, 195, 156
Decimal	12827804
CIELab	76.05, -2.82, 17.10
CIELCh	76, 17.331, 99.353
Yxy	49.9688, 0.3441, 0.3698
Android (android.graphics.Color)	4291017884 (0xFFC3BC9C)
YUV	186.4450, -15.0094, 7.5027
Hunter-Lab	70.6886, -6.3114, 17.0667

Details

The XYZ color **46.4896, 49.9688, 38.6472** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.6577, 37.2016, 56.8785**, and the grayscale version is **46.9988, 49.4464, 53.8471**.

A 20% lighter version of the original color is **84.2534, 90.1000, 74.5784**, and **22.1983, 24.0106, 16.8291** is the 20% darker color. If you saturate the color by 10%, you get **44.2315, 47.8860, 30.3916**, and if you desaturate by 10%, it is **49.0336, 52.1983, 48.3072**.

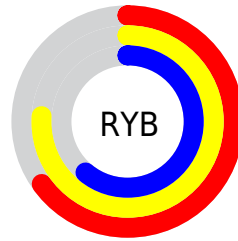
Distribution



Red (76%)

Green (74%)

Blue (61%)



Red (65%)

Yellow (76%)

Blue (61%)

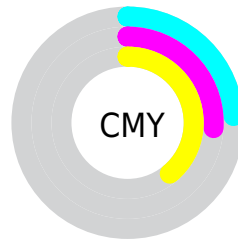


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (24%)



Cyan (24%)

Magenta (26%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4896, 49.9688, 38.6472 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 46.4896, 49.9688, 38.6472 by changing the saturation by 10% instead.

■ 46.4896, 49.9688,
38.6472

■ 46.4896, 49.9688,
38.6472

363.4566,
386.5439, 355.7693

■ 32.8386, 35.3886,
26.1797

■ 84.1746, 90.1286,
74.3134

■ 22.1615, 23.9624,
16.7311

■ 108.9394,
116.4771, 98.3492

■ 14.0929, 15.3057,
9.8830

138.1394,
147.5171, 127.0782

■ 8.2674, 9.0342,
5.2169

172.1401,
183.6330, 160.9188

■ 4.3198, 4.7635,
2.3141

211.3068,
225.2092, 200.2897

■ 1.8846, 2.1092,
0.7391

256.0049,

■ 0.5679, 0.6698,

272.6302, 245.6094

0.0000

306.5997,
326.2803, 297.2964

■ 0.0000, 0.0000,
0.0000

■ 46.4896, 49.9688,
38.6472

■ 46.4896, 49.9688,
38.6472

■ 44.2315, 47.8860,
30.3916

■ 49.0336, 52.1983,
48.3072

■ 42.2425, 45.9380,
23.4706

■ 51.8715, 54.5728,
59.4305

■ 40.5102, 44.1213,
17.8134

■ 55.0158, 57.0993,
72.0764

■ 39.0196, 42.4295,
13.3412

■ 58.4770, 59.7821,
86.3003

■ 37.7539, 40.8559,
9.9663

■ 62.2652, 62.6255,
102.1544

■ 36.6940, 39.3926,
7.5891

■ 63.3543, 64.4192,
103.7028

■ 35.8173, 38.0303,
6.0916

■ 64.2219, 66.1544,
103.9920

■ 35.0804, 36.7514,
5.2448

■ 65.1085, 67.9276,
104.2875

■ 35.0803, 36.7513,
5.2448

■ 66.0142, 69.7389,
104.5894

Harmonies

Analogous

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



49.7224, 49.9688, 39.3745



46.4896, 49.9688, 38.6472



43.6557, 49.9688, 41.7559

Triad

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



46.4896, 49.9688, 38.6472



42.8420, 49.9688, 66.5104



53.5591, 49.9688, 60.9378

Complementary

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



46.4896, 49.9688, 38.6472



36.6577, 37.2016, 56.8785

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.



51.5506, 49.9688, 69.3869



46.4896, 49.9688, 38.6472



45.3329, 49.9688, 72.8494

Square

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



46.4896, 49.9688, 38.6472



41.6137, 49.9688, 57.3558



48.5124, 49.9688, 73.9579



53.9033, 49.9688, 51.5620

Rectangle

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



46.4896, 49.9688, 38.6472



42.3382, 49.9688, 45.8179



48.5124, 49.9688, 73.9579



53.0520, 49.9688, 64.0087

Sweetspot

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



46.4909, 49.9710, 38.6483



89.7411, 95.1171, 93.9826



41.0189, 38.0294, 39.9000



19.5793, 20.7681, 20.2960



0.0000, 0.0000, 0.0000



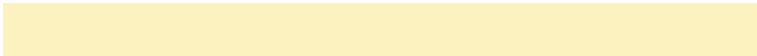
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4909, 49.9710, 38.6483



81.4350, 87.8349, 62.4508



44.9615, 51.4552, 39.0153



10.7548, 11.4411, 10.7034



22.8561, 23.9980, 3.4274



1.0286, 1.1191, 0.1618

Inverse Universe

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



36.6577, 37.2016, 56.8785



60.6377, 60.8298, 101.0152



37.9624, 36.0811, 56.5935



9.6712, 10.0337, 12.7118



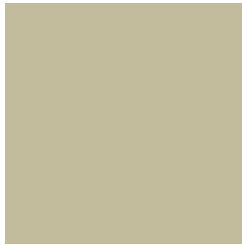
6.8371, 3.4307, 33.8584



0.3412, 0.2397, 1.4782

Previews

White Background



This preview shows how the XYZ color 46.4896, 49.9688, 38.6472 looks on a white background.

Color Contrast Check

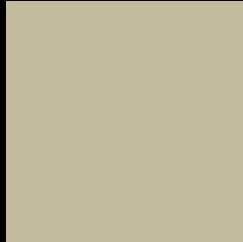
Large Text (above 18pt) WCAG AA × Fail

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 46.4896, 49.9688, 38.6472 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 46.4896, 49.9688, 38.6472

Background



This preview shows how black text looks on a background with the XYZ color 46.4896, 49.9688, 38.6472.



This preview shows how white text looks on a background with the XYZ color 46.4896, 49.9688,

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

46.4896, 49.9688, 38.6472

Protanopia

47.0598, 49.9467, 38.6129

Deuteranopia

50.8117, 49.7101, 39.2647



Tritanopia

50.6254, 49.7665, 59.7610

Trichromacy



Original Color

46.4896, 49.9688, 38.6472

Protanomaly

46.7970, 49.8113, 38.6006

Deuteranomaly

49.0317, 49.7112, 38.9093

Tritanomaly

48.8727, 49.6641, 51.2662

Monochromacy



Original Color

46.4896, 49.9688, 38.6472

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4945, 49.4546, 47.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4896, 49.9688, 38.6472 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(195, 188, 156)` looks like.

```
.text, #text, p{  
    color:rgb(195, 188, 156)  
}
```

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(195, 188, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 188, 156) }
```

Border

The CSS property to change the border of an element to XYZ 46.4896, 49.9688, 38.6472 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(195, 188, 156) }
```


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

```
.border{ border-color:rgb(195, 188, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 188, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 188, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 188, 156);  
box-shadow:4px 4px 4px 4px rgb(195, 188,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4896, 49.9688, 38.6472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 188, 156) }
```

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

```
.background{ background-color: rgb(195,  
188, 156) }
```

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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