

Converting Colors

XYZ(46.8824, 49.9470, 40.1765)

Have a look what the booklet for
XYZ(46.8824, 49.9470, 40.1765)
contains.

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Color

**XYZ(46.7933, 49.7796,
39.9430)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C4BB9F |
| RGB | 196, 187, 159 |
| RGB Percent | 77%, 73%, 62% |
| CMY | 0.2314, 0.2666, 0.3765 |
| CMYK | 0.00, 0.05, 0.19, 0.23 |
| HSL | 45°, 24%, 70% |
| HSV | 45°, 19%, 77% |
| XYZ | 46.7933, 49.7796, 39.9430 |
| YIQ | 186.4990, 14.3520, -6.8000 |

Conversions

Conversions Part 2

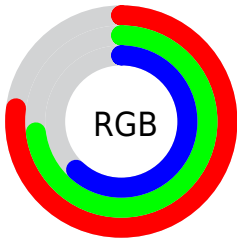
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 171, 196, 159 |
| Decimal | 12893087 |
| CIELab | 75.93, -1.46, 15.33 |
| CIELCh | 76, 15.404, 95.435 |
| Yxy | 49.7796, 0.3428, 0.3646 |
| Android (android.graphics.Color) | 4291083167 (0xFFC4BB9F) |
| YUV | 186.4990, -13.5570, 8.3324 |
| Hunter-Lab | 70.5547, -5.0858, 15.8225 |

Details

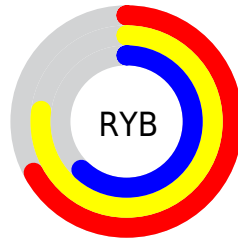
The XYZ color **46.7933, 49.7796, 39.9430** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.2644, 39.3609, 57.8056**, and the grayscale version is **47.0213, 49.4701, 53.8729**.

A 20% lighter version of the original color is **84.6962, 89.8389, 76.4950**, and **22.3872, 23.8837, 17.6174** is the 20% darker color. If you saturate the color by 10%, you get **44.2317, 47.1657, 31.3528**, and if you desaturate by 10%, it is **49.6608, 52.5729, 49.9670**.

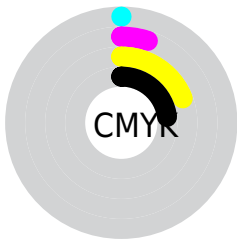
Distribution



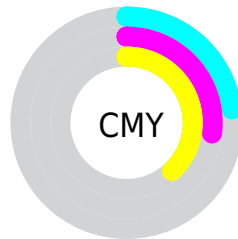
- Red (77%)
- Green (73%)
- Blue (62%)



- Red (67%)
- Yellow (77%)
- Blue (62%)



- Cyan (0%)
- Magenta (5%)
- Yellow (19%)
- Black (23%)



- Cyan (23%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7933, 49.7796, 39.9430 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 46.7933, 49.7796, 39.9430 by changing the saturation by 10% instead.

■ 46.7933, 49.7796,
39.9430

■ 46.7933, 49.7796,
39.9430

364.6516,
385.8034, 361.4282

■ 33.0795, 35.2383,
27.1807

■ 84.6256, 89.8482,
76.3128

■ 22.3469, 23.8465,
17.4753

■ 109.4749,
116.1444, 100.7574

■ 14.2301, 15.2198,
10.4084

138.7667,
147.1276, 129.9332

■ 8.3636, 8.9738,
5.5615

172.8665,
183.1822, 164.2586

■ 4.3822, 4.7241,
2.5159

212.1395,
224.6928, 204.1523

■ 1.9206, 2.0863,
0.8485

256.9511,

■ 0.5888, 0.6569,

272.0435, 250.0328

0.0000

307.6667,
325.6190, 302.3186

■ 0.0000, 0.0000,
0.0000

■ 46.7933, 49.7796,
39.9430

■ 46.7933, 49.7796,
39.9430

■ 44.2317, 47.1657,
31.3528

■ 49.6608, 52.5729,
49.9670

■ 41.9592, 44.7189,
24.1263

■ 52.8425, 55.5444,
61.4841

■ 39.9629, 42.4353,
18.1923

■ 56.3510, 58.7013,
74.5541

■ 38.2275, 40.3082,
13.4718

■ 60.1974, 62.0486,
89.2327

■ 36.7362, 38.3302,
9.8773

■ 64.0678, 65.4611,
103.8663

■ 35.4697, 36.4933,
7.3092

■ 65.2681, 67.8617,
104.2664

■ 34.4054, 34.7877,
5.6504

■ 66.5038, 70.3331,
104.6783

■ 33.5058, 33.1979,
4.7051

■ 67.7752, 72.8759,
105.1021

■ 33.4094, 33.0243,
4.6135

■ 69.0825, 75.4906,
105.5379

Harmonies

Analogous

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



49.6451, 49.7796, 41.0622



46.7933, 49.7796, 39.9430



44.1865, 49.7796, 42.3187

Triad

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



46.7933, 49.7796, 39.9430



42.9592, 49.7796, 63.8894



52.5119, 49.7796, 61.0399

Complementary

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



46.7933, 49.7796, 39.9430



38.2644, 39.3609, 57.8056

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.



50.5858, 49.7796, 68.1233



46.7933, 49.7796, 39.9430



45.0570, 49.7796, 69.8815

Square

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



46.7933, 49.7796, 39.9430



42.0309, 49.7796, 55.7121



47.8386, 49.7796, 71.5040



53.0223, 49.7796, 52.7185

Rectangle

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



46.7933, 49.7796, 39.9430



42.9141, 49.7796, 45.7214



47.8386, 49.7796, 71.5040



52.0048, 49.7796, 63.6703

Sweetspot

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



46.7946, 49.7818, 39.9441



91.5084, 96.7029, 96.0471



42.2548, 39.3692, 42.5406



19.5068, 20.6232, 20.2718



0.0000, 0.0000, 0.0000



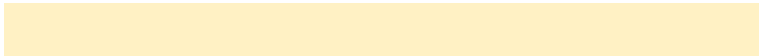
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7946, 49.7818, 39.9441



82.6221, 88.0183, 65.0682



46.4308, 52.5168, 40.4911



10.6993, 11.3300, 10.6849



21.5368, 21.3594, 2.9877



0.9816, 1.0249, 0.1461

Inverse Universe

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



38.2644, 39.3609, 57.8056



64.1036, 65.3977, 103.8521



38.5643, 37.1348, 57.3601



9.7228, 10.1369, 12.7290



7.1297, 4.0158, 33.9560



0.3641, 0.2856, 1.4858

Previews

White Background



This preview shows how the XYZ color 46.7933, 49.7796, 39.9430 looks on a white background.

Color Contrast Check

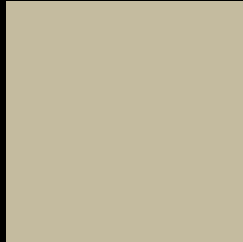
Large Text (above 18pt) WCAG AA × Fail

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 46.7933, 49.7796, 39.9430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

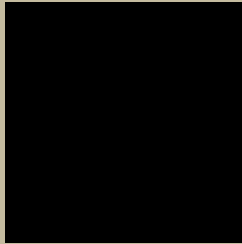
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

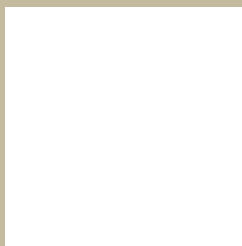
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7933, 49.7796, 39.9430

Background



This preview shows how black text looks on a background with the XYZ color 46.7933, 49.7796, 39.9430.



This preview shows how white text looks on a background with the XYZ color 46.7933, 49.7796,

39.9430.

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

46.7933, 49.7796, 39.9430

Protanopia

47.0543, 49.9142, 39.9553

Deuteranopia

50.6908, 49.6277, 40.1651



Tritanopia

50.7791, 49.8589, 59.1719

Trichromacy



Original Color

46.7933, 49.7796, 39.9430

Protanomaly

47.0543, 49.9142, 39.9553

Deuteranomaly

49.2911, 49.8149, 40.2750

Tritanomaly

49.2409, 49.8420, 51.8249

Monochromacy



Original Color

46.7933, 49.7796, 39.9430

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9413, 49.6621, 48.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7933, 49.7796, 39.9430 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(196, 187, 159)` looks like.

```
.text, #text, p{  
    color:rgb(196, 187, 159)  
}
```

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(196, 187, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 187, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.7933, 49.7796, 39.9430 is called "border". The border property can be set on classes, ids or directly on the HTML element.

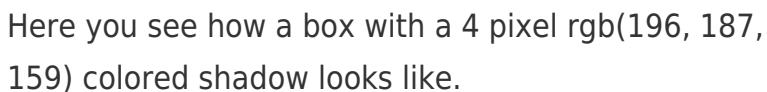
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 187, 159) }
```


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

```
.border{ border-color:rgb(196, 187, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 187, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 187, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 187, 159); box-shadow:4px 4px 4px 4px rgb(196, 187, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7933, 49.7796, 39.9430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 187, 159) }
```

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

```
.background{ background-color: rgb(196,  
187, 159) }
```

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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