

Converting Colors

XYZ(49.8679, 52.7290, 36.4036)

Have a look what the booklet for
XYZ(49.8679, 52.7290, 36.4036)
contains.

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Color

**XYZ(49.8679, 52.7290,
36.4036)**

Conversions

Conversions Part 1

Format	Color
Hex	CFBF96
RGB	207, 191, 150
RGB Percent	81%, 75%, 59%
CMY	0.1882, 0.2510, 0.4118
CMYK	0.00, 0.08, 0.28, 0.19
HSL	43°, 37%, 70%
HSV	43°, 28%, 81%
XYZ	49.8679, 52.7290, 36.4036
YIQ	191.1100, 22.6970, -9.3590

Conversions

Conversions Part 2

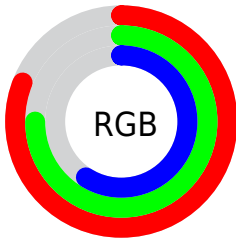
Format	Color
RYB	172, 207, 150
Decimal	13614998
CIELab	77.71, -0.67, 22.77
CIELCh	78, 22.776, 91.689
Yxy	52.7290, 0.3588, 0.3793
Android (android.graphics.Color)	4291805078 (0xFFCFBF96)
YUV	191.1100, -20.2672, 13.9355
Hunter-Lab	72.6147, -4.4916, 21.1067

Details

The XYZ color **49.8679, 52.7290, 36.4036** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4761, 38.2604, 64.4413**, and the grayscale version is **49.6908, 52.2786, 56.9314**.

A 20% lighter version of the original color is **85.3998, 92.1412, 70.4107**, and **24.2895, 25.7532, 15.4951** is the 20% darker color. If you saturate the color by 10%, you get **47.1048, 49.6386, 27.9727**, and if you desaturate by 10%, it is **52.9785, 56.0424, 46.4042**.

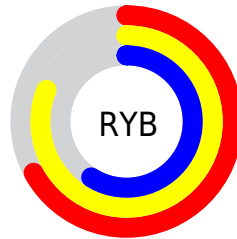
Distribution



Red (81%)

Green (75%)

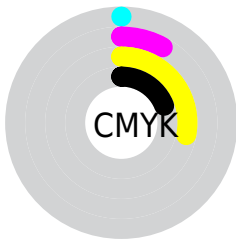
Blue (59%)



Red (67%)

Yellow (81%)

Blue (59%)

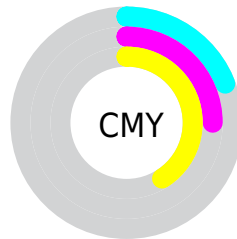


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (19%)



Cyan (19%)

Magenta (25%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8679, 52.7290, 36.4036 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 49.8679, 52.7290, 36.4036 by changing the saturation by 10% instead.

■ 49.8679, 52.7290,
36.4036

■ 49.8679, 52.7290,
36.4036

376.6097,
397.2445, 345.8118

■ 35.5258, 37.5865,
24.4539

■ 89.1721, 94.2055,
70.8306

■ 24.2366, 25.6619,
15.4554

■ 114.8650,
121.3082, 94.1450

■ 15.6349, 16.5709,
8.9894

145.0721,
153.1665, 122.0847

■ 9.3554, 9.9290,
4.6376

180.1589,
190.1647, 155.0682

■ 5.0327, 5.3519,
1.9812

220.4907,
232.6872, 193.5142

■ 2.3014, 2.4552,
0.5437

266.4328,

■ 0.7954, 0.8541,

281.1184, 237.8411

0.0000

318.3507,
335.8427, 288.4674

■ 0.0000, 0.0000,
0.0000

■ 49.8679, 52.7290,
36.4036

■ 49.8679, 52.7290,
36.4036

■ 47.1048, 49.6386,
27.9727

■ 52.9785, 56.0424,
46.4042

■ 44.6690, 46.7568,
21.0265

■ 56.4474, 59.5787,
58.0471

■ 42.5444, 44.0780,
15.4768

■ 60.2899, 63.3466,
71.4042

■ 40.7116, 41.5935,
11.2246

■ 64.5193, 67.3522,
86.5422

■ 39.1488, 39.2937,
8.1580

■ 69.1480, 71.6015,
103.5242

■ 37.8305, 37.1673,
6.1458

■ 70.9399, 74.8009,
105.3068

■ 36.7214, 35.1992,
5.0052

■ 72.5451, 78.0112,
105.8419

■ 36.4657, 34.7325,
4.7821

■ 74.2042, 81.3296,
106.3949

■ 75.9179, 84.7570,
106.9662

Harmonies

Analogous

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



54.2463, 52.7290, 38.5812



49.8679, 52.7290, 36.4036



45.7947, 52.7290, 39.1328

Triad

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



49.8679, 52.7290, 36.4036



43.2444, 52.7290, 71.1343



57.9573, 52.7290, 69.7142

Complementary

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



49.8679, 52.7290, 36.4036



37.4761, 38.2604, 64.4413

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.



54.7038, 52.7290, 80.6489



49.8679, 52.7290, 36.4036



46.2034, 52.7290, 81.5497

Square

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



49.8679, 52.7290, 36.4036



42.1122, 52.7290, 58.1314



50.3676, 52.7290, 85.2609



59.0776, 52.7290, 56.7003

Rectangle

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



49.8679, 52.7290, 36.4036



43.7555, 52.7290, 43.6388



50.3676, 52.7290, 85.2609



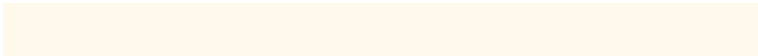
57.0678, 52.7290, 73.8175

Sweetspot

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



49.8693, 52.7314, 36.4047



90.1385, 95.1568, 91.9109



43.5356, 37.8374, 41.1580



19.1051, 20.1784, 19.0322



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.



49.8693, 52.7314, 36.4047



77.2605, 81.5627, 50.1243



50.2334, 58.3833, 37.4764



12.5114, 13.2134, 12.5031



23.0585, 22.0501, 3.0408



1.3545, 1.3633, 0.1918

Inverse Universe

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



37.4761, 38.2604, 64.4413



54.2071, 54.6515, 102.2995



37.1409, 34.0365, 63.6437



11.4299, 11.9501, 14.9478



8.1215, 4.8897, 37.7082



0.5216, 0.4085, 2.1309

Previews

White Background



This preview shows how the XYZ color 49.8679, 52.7290, 36.4036 looks on a white background.

Color Contrast Check

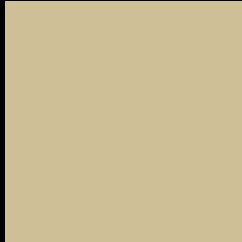
Large Text (above 18pt) WCAG AA × Fail

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 49.8679, 52.7290, 36.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

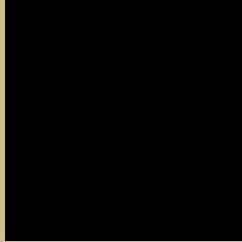
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8679, 52.7290, 36.4036

Background



This preview shows how black text looks on a background with the XYZ color 49.8679, 52.7290, 36.4036.



This preview shows how white text looks on a background with the XYZ color 49.8679, 52.7290,

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

49.8679, 52.7290, 36.4036

Protanopia

49.5315, 52.8804, 36.4505

Deuteranopia

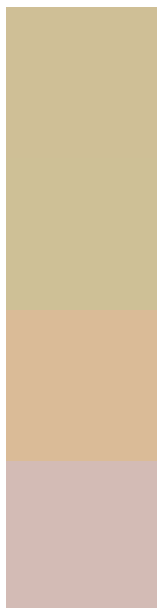
53.4669, 52.3626, 36.5671



Tritanopia

54.8899, 52.5506, 61.2831

Trichromacy



Original Color

49.8679, 52.7290, 36.4036

Protanomaly

49.8083, 53.0231, 36.4635

Deuteranomaly

52.2697, 52.6804, 36.6916

Tritanomaly

52.9748, 52.7257, 51.1011

Monochromacy



Original Color

49.8679, 52.7290, 36.4036

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.4932, 52.2665, 48.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8679, 52.7290, 36.4036 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(207, 191, 150)` looks like.

```
.text, #text, p{  
    color:rgb(207, 191, 150)  
}
```

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(207, 191, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 191, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.8679, 52.7290, 36.4036 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(207, 191, 150) }
```


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

```
.border{ border-color:rgb(207, 191, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 191, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 191, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 191, 150);  
box-shadow:4px 4px 4px 4px rgb(207, 191,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8679, 52.7290, 36.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 191, 150) }
```

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

```
.background{ background-color: rgb(207,  
191, 150) }
```

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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