

Converting Colors

XYZ(49.3807, 52.7718, 37.9744)

Have a look what the booklet for
XYZ(49.3807, 52.7718, 37.9744)
contains.

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Color

**XYZ(49.3110, 52.7289,
38.1506)**

Conversions

Conversions Part 1

Format	Color
Hex	CBC09A
RGB	203, 192, 154
RGB Percent	80%, 75%, 60%
CMY	0.2039, 0.2470, 0.3961
CMYK	0.00, 0.05, 0.24, 0.20
HSL	47°, 32%, 70%
HSV	47°, 24%, 80%
XYZ	49.3110, 52.7289, 38.1506
YIQ	190.9570, 18.7540, -9.4860

Conversions

Conversions Part 2

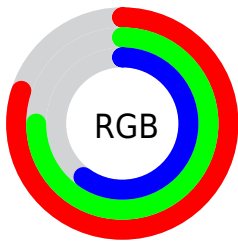
Format	Color
RYB	168, 203, 154
Decimal	13353114
CIELab	77.71, -2.18, 20.58
CIELCh	78, 20.695, 96.041
Yxy	52.7289, 0.3517, 0.3761
Android (android.graphics.Color)	4291543194 (0xFFCBC09A)
YUV	190.9570, -18.2198, 10.5617
Hunter-Lab	72.6147, -5.8603, 19.6802

Details

The XYZ color **49.3110, 52.7289, 38.1506** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5609, 38.0912, 61.8729**, and the grayscale version is **49.5922, 52.1748, 56.8184**.

A 20% lighter version of the original color is **86.3160, 92.9983, 73.7227**, and **23.8935, 25.7404, 16.5410** is the 20% darker color. If you saturate the color by 10%, you get **46.7769, 50.1413, 29.6581**, and if you desaturate by 10%, it is **52.1648, 55.4975, 48.1615**.

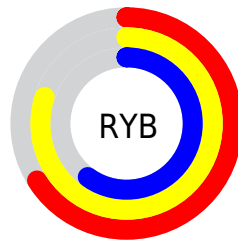
Distribution



Red (80%)

Green (75%)

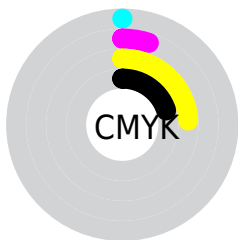
Blue (60%)



Red (66%)

Yellow (80%)

Blue (60%)

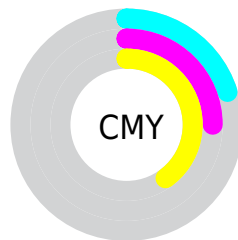


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3110, 52.7289, 38.1506 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 49.3110, 52.7289, 38.1506 by changing the saturation by 10% instead.

■ 49.3110, 52.7289,
38.1506

■ 49.3110, 52.7289,
38.1506

374.4621,
397.2442, 353.5831

■ 35.0818, 37.5864,
25.7969

■ 88.3511, 94.2053,
73.5449

■ 23.8927, 25.6618,
16.4473

■ 113.8928,
121.3080, 97.4225

■ 15.3784, 16.5708,
9.6835

143.9359,
153.1663, 125.9785

■ 9.1734, 9.9290,
5.0868

178.8460,
190.1644, 159.6314

■ 4.9125, 5.3519,
2.2386

218.9883,
232.6869, 198.7998

■ 2.2302, 2.4552,
0.6965

264.7281,

■ 0.7586, 0.8541,

281.1181, 243.9022

0.0000

316.4309,
335.8424, 295.3571

■ 0.0000, 0.0000,
0.0000

■ 49.3110, 52.7289,
38.1506

■ 49.3110, 52.7289,
38.1506

■ 46.7769, 50.1413,
29.6581

■ 52.1648, 55.4975,
48.1615

■ 44.5438, 47.7214,
22.6050

■ 55.3477, 58.4460,
59.7581

■ 42.5970, 45.4647,
16.9100

■ 58.8741, 61.5822,
73.0074

■ 40.9191, 43.3637,
12.4822

■ 62.7558, 64.9115,
87.9719

■ 39.4905, 41.4101,
9.2199

■ 66.9236, 68.4064,
104.2842

■ 38.2885, 39.5945,
7.0054

■ 68.0983, 70.7556,
104.6758

■ 37.2858, 37.9054,
5.6960

■ 69.3055, 73.1700,
105.0782

■ 36.7615, 36.9622,
5.1969

■ 70.5454, 75.6500,
105.4915

■ 71.8185, 78.1961,
105.9159

Harmonies

Analogous

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



53.3108, 52.7289, 39.5209



49.3110, 52.7289, 38.1506



45.7205, 52.7289, 41.3585

Triad

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



49.3110, 52.7289, 38.1506



44.1432, 52.7289, 71.3948



57.4910, 52.7289, 66.8452

Complementary

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



49.3110, 52.7289, 38.1506



37.5609, 38.0912, 61.8729

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.



54.7872, 52.7289, 77.1619



49.3110, 52.7289, 38.1506



47.0538, 52.7289, 80.0238

Square

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



49.3110, 52.7289, 38.1506



42.8408, 52.7289, 59.7657



50.9322, 52.7289, 82.2634



58.1742, 52.7289, 55.1225

Rectangle

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



49.3110, 52.7289, 38.1506



43.9959, 52.7289, 45.9505



50.9322, 52.7289, 82.2634



56.7815, 52.7289, 70.6384

Sweetspot

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



49.3124, 52.7313, 38.1517



91.0434, 96.3741, 94.0393



43.0158, 38.5408, 40.9771



19.4160, 20.5627, 19.8679



0.0000, 0.0000, 0.0000



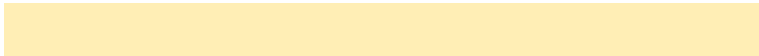
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3124, 52.7313, 38.1517



80.2784, 85.9838, 56.1084



48.4077, 55.9839, 38.8272



11.9320, 12.6530, 11.8928



23.4654, 23.6638, 3.3308



1.2645, 1.3286, 0.1898

Inverse Universe

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



37.5609, 38.0912, 61.8729



57.2307, 57.2755, 102.6466



38.2862, 35.6465, 61.3628



10.8026, 11.2456, 14.1716



7.5276, 4.0793, 36.3469



0.4471, 0.3279, 1.8947

Previews

White Background



This preview shows how the XYZ color 49.3110, 52.7289, 38.1506 looks on a white background.

Color Contrast Check

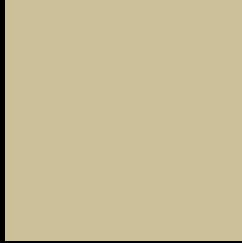
Large Text (above 18pt) WCAG AA × Fail

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 49.3110, 52.7289, 38.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

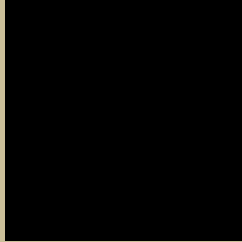
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3110, 52.7289, 38.1506

Background



This preview shows how black text looks on a background with the XYZ color 49.3110, 52.7289, 38.1506.



This preview shows how white text looks on a background with the XYZ color 49.3110, 52.7289,

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

49.3110, 52.7289, 38.1506

Protanopia

49.5842, 52.8697, 38.1634

Deuteranopia

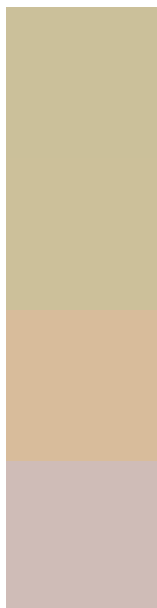
53.7811, 52.7862, 38.8067



Tritanopia

54.2787, 52.8433, 61.9826

Trichromacy



Original Color

49.3110, 52.7289, 38.1506

Protanomaly

49.5842, 52.8697, 38.1634

Deuteranomaly

52.2185, 52.9319, 38.4750

Tritanomaly

52.2626, 52.6507, 52.2078

Monochromacy



Original Color

49.3110, 52.7289, 38.1506

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1724, 52.0781, 49.5799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3110, 52.7289, 38.1506 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(203, 192, 154)` looks like.

```
.text, #text, p{  
    color:rgb(203, 192, 154)  
}
```

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(203, 192, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 192, 154) }
```

Border

The CSS property to change the border of an element to XYZ 49.3110, 52.7289, 38.1506 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(203, 192, 154) }
```


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

```
.border{ border-color:rgb(203, 192, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 192, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 192, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 192, 154);  
box-shadow:4px 4px 4px 4px rgb(203, 192,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3110, 52.7289, 38.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 192, 154) }
```

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

```
.background{ background-color: rgb(203,  
192, 154) }
```

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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