

Converting Colors

XYZ(49.1002, 51.6329, 38.8308)

Have a look what the booklet for
XYZ(49.1002, 51.6329, 38.8308)
contains.

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Color

**XYZ(49.1002, 51.6329,
38.8308)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBD9C
RGB	204, 189, 156
RGB Percent	80%, 74%, 61%
CMY	0.2000, 0.2588, 0.3882
CMYK	0.00, 0.07, 0.24, 0.20
HSL	41°, 32%, 71%
HSV	41°, 24%, 80%
XYZ	49.1002, 51.6329, 38.8308
YIQ	189.7230, 19.5330, -7.0830

Conversions

Conversions Part 2

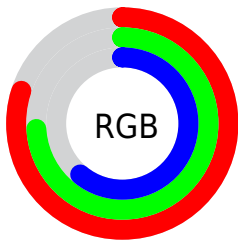
Format	Color
RYB	178, 204, 156
Decimal	13417884
CIELab	77.06, 0.07, 18.62
CIELCh	77, 18.620, 89.793
Yxy	51.6329, 0.3518, 0.3700
Android (android.graphics.Color)	4291607964 (0xFFCCBD9C)
YUV	189.7230, -16.6254, 12.5209
Hunter-Lab	71.8560, -3.7766, 18.2591

Details

The XYZ color **49.1002, 51.6329, 38.8308** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.1720, 40.5523, 62.8898**, and the grayscale version is **48.8701, 51.4151, 55.9911**.

A 20% lighter version of the original color is **85.6503, 91.2680, 74.7302**, and **23.7484, 25.0178, 16.9418** is the 20% darker color. If you saturate the color by 10%, you get **46.1753, 48.3191, 30.0372**, and if you desaturate by 10%, it is **52.3782, 55.1879, 49.1747**.

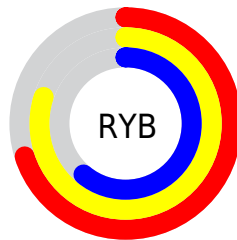
Distribution



Red (80%)

Green (74%)

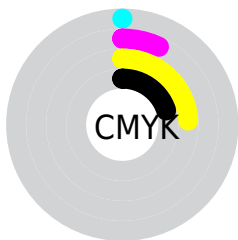
Blue (61%)



Red (70%)

Yellow (80%)

Blue (61%)

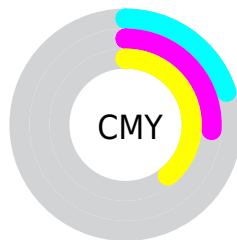


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (20%)



Cyan (20%)


Magenta (26%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1002, 51.6329, 38.8308 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 49.1002, 51.6329, 38.8308 by changing the saturation by 10% instead.


 49.1002, 51.6329,
38.8308

 49.1002, 51.6329,
38.8308


373.6471,
393.0178, 356.5751

 34.9138, 36.7125,
26.3213


 88.0401, 92.5896,
74.5973

 23.7627, 24.9850,
16.8362

 113.5243,
119.3948, 98.6913

 15.2815, 16.0659,
9.9571


143.5052,
150.9303, 127.4839

 9.1048, 9.5708,
5.2653

178.3481,
187.5807, 161.3937

 4.8672, 5.1153,
2.3423

218.4184,
229.7302, 200.8392

 2.2035, 2.3151,
0.7548

264.0814,

 0.7446, 0.7817,

277.7633, 246.2389

0.0000

315.7025,
332.0643, 298.0113

■ 0.0000, 0.0000,
0.0000

■ 49.1002, 51.6329,
38.8308

■ 49.1002, 51.6329,
38.8308

■ 46.1753, 48.3191,
30.0372

■ 52.3782, 55.1879,
49.1747

■ 43.5842, 45.2322,
22.7141

■ 56.0195, 58.9841,
61.1368

■ 41.3118, 42.3667,
16.7795

■ 60.0389, 63.0302,
74.7850

■ 39.3400, 39.7141,
12.1419

■ 64.4488, 67.3325,
90.1822

■ 37.6485, 37.2650,
8.6988

■ 68.7743, 71.7021,
104.8228

■ 36.2140, 35.0088,
6.3321

■ 70.4878, 75.1291,
105.3940

■ 35.0089, 32.9329,
4.8991

■ 72.2658, 78.6852,
105.9867

■ 34.3194, 31.6724,
4.3046

■ 74.1091, 82.3718,
106.6011

■ 76.0183, 86.1901,
107.2375

Harmonies

Analogous

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



52.5948, 51.6329, 40.9445



49.1002, 51.6329, 38.8308



45.7576, 51.6329, 40.8874

Triad

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



49.1002, 51.6329, 38.8308



43.3805, 51.6329, 66.5158



55.2217, 51.6329, 66.6528

Complementary

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



49.1002, 51.6329, 38.8308



39.1720, 40.5523, 62.8898

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.



52.5501, 51.6329, 74.9726



49.1002, 51.6329, 38.8308



45.7168, 51.6329, 74.8871

Square

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



49.1002, 51.6329, 38.8308



42.5538, 51.6329, 56.1488



49.0509, 51.6329, 78.1506



56.2316, 51.6329, 56.2901

Rectangle

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



49.1002, 51.6329, 38.8308



44.0391, 51.6329, 44.5075



49.0509, 51.6329, 78.1506



54.4820, 51.6329, 69.8244

Sweetspot

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



49.1016, 51.6352, 38.8319



90.5547, 95.3967, 93.8764



44.1606, 39.5629, 43.9376



19.3026, 20.3359, 19.8301



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.



49.1016, 51.6352, 38.8319



78.9023, 82.8088, 56.9530



50.1514, 57.2151, 39.8536



11.8467, 12.4824, 11.8644



21.6873, 20.1075, 2.7381



1.1847, 1.1690, 0.1632

Inverse Universe

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



39.1720, 40.5523, 62.8898



59.7701, 61.4583, 103.3202



38.2636, 36.1152, 62.0812



10.8829, 11.4063, 14.1984



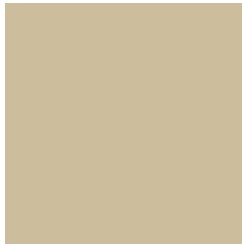
8.0783, 5.1805, 36.5304



0.4848, 0.4033, 1.9072

Previews

White Background



This preview shows how the XYZ color 49.1002, 51.6329, 38.8308 looks on a white background.

Color Contrast Check

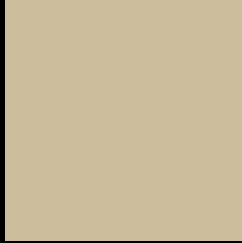
Large Text (above 18pt) WCAG AA × Fail

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 49.1002, 51.6329, 38.8308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

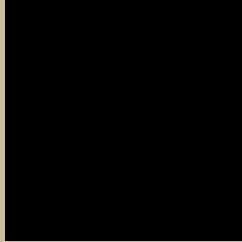
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1002, 51.6329, 38.8308

Background



This preview shows how black text looks on a background with the XYZ color 49.1002, 51.6329, 38.8308.

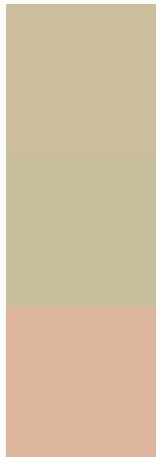


This preview shows how white text looks on a background with the XYZ color 49.1002, 51.6329,

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

49.1002, 51.6329, 38.8308

Protanopia

48.5016, 51.6447, 38.8646

Deuteranopia

52.5345, 51.5169, 39.0732



Tritanopia

53.4210, 51.4995, 60.5509

Trichromacy



Original Color

49.1002, 51.6329, 38.8308

Protanomaly

48.7713, 51.7838, 38.8772

Deuteranomaly

51.1663, 51.4284, 39.1282

Tritanomaly

51.6283, 51.3822, 51.9964

Monochromacy



Original Color

49.1002, 51.6329, 38.8308

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9550, 51.6434, 49.5074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1002, 51.6329, 38.8308 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(204, 189, 156)` looks like.

```
.text, #text, p{  
    color:rgb(204, 189, 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(204, 189, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 189, 156) }
```

Border

The CSS property to change the border of an element to XYZ 49.1002, 51.6329, 38.8308 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(204, 189, 156) }
```


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

```
.border{ border-color:rgb(204, 189, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 189, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 189, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 189, 156);  
box-shadow:4px 4px 4px 4px rgb(204, 189,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1002, 51.6329, 38.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 189, 156) }
```

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

```
.background{ background-color: rgb(204,  
189, 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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