

Converting Colors

XYZ(49.4919, 51.3378, 39.9595)

Have a look what the booklet for
XYZ(49.4919, 51.3378, 39.9595)
contains.

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Color

**XYZ(49.6948, 51.5915,
40.1398)**

Conversions

Conversions Part 1

Format	Color
Hex	CEBC9F
RGB	206, 188, 159
RGB Percent	81%, 74%, 62%
CMY	0.1922, 0.2627, 0.3765
CMYK	0.00, 0.09, 0.23, 0.19
HSL	37°, 32%, 72%
HSV	37°, 23%, 81%
XYZ	49.6948, 51.5915, 40.1398
YIQ	190.0760, 20.0370, -5.2030

Conversions

Conversions Part 2

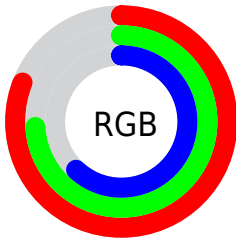
Format	Color
R_{YB}	188, 206, 159
Decimal	13548703
CIE _{Lab}	77.04, 1.79, 17.00
CIE _{LCh}	77, 17.094, 83.998
Yxy	51.5915, 0.3514, 0.3648
Android (android.graphics.Color)	4291738783 (0xFFCEBC9F)
YUV	190.0760, -15.3205, 13.9653
Hunter-Lab	71.8272, -2.1996, 17.1455

Details

The XYZ color **49.6948, 51.5915, 40.1398** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.1604, 43.2701, 64.5753**, and the grayscale version is **49.0659, 51.6211, 56.2154**.

A 20% lighter version of the original color is **85.7283, 90.8164, 76.6293**, and **24.0803, 24.9688, 17.4602** is the 20% darker color. If you saturate the color by 10%, you get **46.4153, 47.6587, 30.9501**, and if you desaturate by 10%, it is **53.3671, 55.8324, 50.9314**.

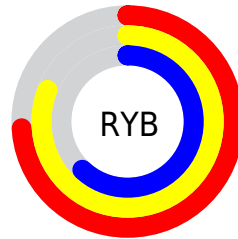
Distribution



Red (81%)

Green (74%)

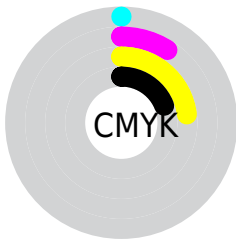
Blue (62%)



Red (74%)

Yellow (81%)

Blue (62%)

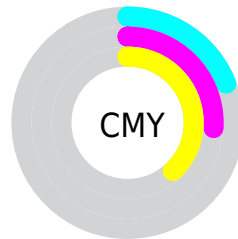


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (19%)



Cyan (19%)

Magenta (26%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6948, 51.5915, 40.1398 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 49.6948, 51.5915, 40.1398 by changing the saturation by 10% instead.

■ 49.6948, 51.5915,
40.1398

■ 49.6948, 51.5915,
40.1398

375.9430,
392.8575, 362.2821

■ 35.3878, 36.6796,
27.3329

■ 88.9170, 92.5285,
76.6158

■ 24.1296, 24.9595,
17.5888

■ 114.5630,
119.3224, 101.1220

■ 15.5551, 16.0469,
10.4888

144.7192,
150.8457, 130.3650

■ 9.2987, 9.5573,
5.6144

179.7512,
187.4828, 164.7635

■ 4.9952, 5.1065,
2.5471

220.0241,
229.6182, 204.7358

■ 2.2792, 2.3099,
0.8650

265.9035,

■ 0.7840, 0.7789,

277.6362, 250.7007

0.0000

317.7547,
331.9211, 303.0766

■ 0.0000, 0.0000,
0.0000

■ 49.6948, 51.5915,
40.1398

■ 49.6948, 51.5915,
40.1398

■ 46.4153, 47.6587,
30.9501

■ 53.3671, 55.8324,
50.9314

■ 43.5084, 44.0181,
23.2809

■ 57.4432, 60.3826,
63.3946

■ 40.9577, 40.6627,
17.0485

■ 61.9388, 65.2525,
77.5985

■ 38.7443, 37.5823,
12.1597

■ 66.8674, 70.4497,
93.6078

■ 36.8468, 34.7660,
8.5100

■ 71.0938, 75.5221,
105.4379

■ 35.2410, 32.2015,
5.9796

■ 73.3064, 79.9473,
106.1754

■ 33.8978, 29.8745,
4.4243

■ 75.6191, 84.5728,
106.9464

■ 33.0594, 28.3334,
3.7265

■ 78.0333, 89.4012,
107.7511

■ 79.2637, 91.8618,
108.1612

Harmonies

Analogous

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



52.8154, 51.5915, 42.8621



49.6948, 51.5915, 40.1398



46.5298, 51.5915, 41.3131

Triad

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



49.6948, 51.5915, 40.1398



43.5276, 51.5915, 63.7995



54.2862, 51.5915, 67.4061

Complementary

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



49.6948, 51.5915, 40.1398



41.1604, 43.2701, 64.5753

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.



51.6310, 51.5915, 74.2302



49.6948, 51.5915, 40.1398



45.4417, 51.5915, 71.9918

Square

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



49.6948, 51.5915, 40.1398



43.0604, 51.5915, 54.3173



48.3834, 51.5915, 75.9948



55.5407, 51.5915, 58.0733

Rectangle

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



49.6948, 51.5915, 40.1398



44.8080, 51.5915, 44.2203



48.3834, 51.5915, 75.9948



53.5223, 51.5915, 70.1092

Sweetspot

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



49.6962, 51.5938, 40.1409



90.1663, 94.6199, 93.7469



45.7896, 41.0936, 47.1227



19.2126, 20.1558, 19.8001



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.



49.6962, 51.5938, 40.1409



78.0383, 80.6505, 57.9921



52.2872, 58.9967, 41.4332



11.7791, 12.3471, 11.8418



20.4532, 17.6394, 2.3267



1.1271, 1.0539, 0.1440

Inverse Universe

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



41.1604, 43.2701, 64.5753



62.0077, 65.0209, 103.8899



38.9491, 37.1972, 63.5196



10.9480, 11.5364, 14.2201



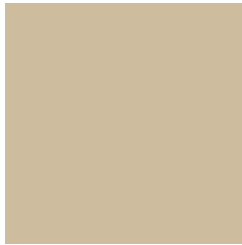
8.6632, 6.3504, 36.7254



0.5198, 0.4733, 1.9189

Previews

White Background



This preview shows how the XYZ color 49.6948, 51.5915, 40.1398 looks on a white background.

Color Contrast Check

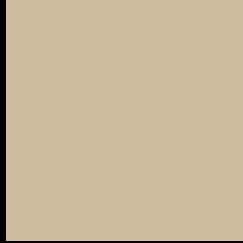
Large Text (above 18pt) WCAG AA × Fail

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 49.6948, 51.5915, 40.1398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

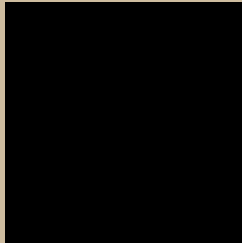
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6948, 51.5915, 40.1398

Background



This preview shows how black text looks on a background with the XYZ color 49.6948, 51.5915, 40.1398.



This preview shows how white text looks on a background with the XYZ color 49.6948, 51.5915,

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

49.6948, 51.5915, 40.1398

Protanopia

48.8460, 51.7825, 40.6783

Deuteranopia

52.4921, 51.4651, 40.4248



Tritanopia

53.8755, 51.7471, 59.9720

Trichromacy



Original Color

49.6948, 51.5915, 40.1398

Protanomaly

49.1714, 51.6298, 40.6316

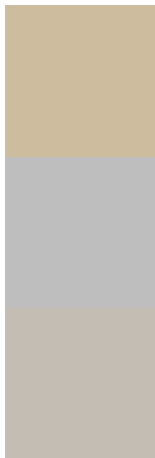
Deuteranomaly

51.4257, 51.5321, 40.4940

Tritanomaly

52.1907, 51.6721, 52.0227

Monochromacy



Original Color

49.6948, 51.5915, 40.1398

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0992, 51.3856, 49.9784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6948, 51.5915, 40.1398 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(206, 188, 159) looks like.

```
.text, #text, p{  
    color:rgb(206, 188, 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(206, 188, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 188, 159) }
```

Border

The CSS property to change the border of an element to XYZ 49.6948, 51.5915, 40.1398 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(206, 188, 159) }
```


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

```
.border{ border-color:rgb(206, 188, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 188, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 188, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 188, 159);  
box-shadow:4px 4px 4px 4px rgb(206, 188,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6948, 51.5915, 40.1398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 188, 159) }
```

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

```
.background{ background-color: rgb(206,  
188, 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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