

Converting Colors

XYZ(48.7010, 49.7176, 37.8344)

Have a look what the booklet for
XYZ(48.7010, 49.7176, 37.8344)
contains.

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Color

**XYZ(48.7890, 49.9129,
38.0730)**

Conversions

Conversions Part 1

Format	Color
Hex	CFB89B
RGB	207, 184, 155
RGB Percent	81%, 72%, 61%
CMY	0.1882, 0.2784, 0.3922
CMYK	0.00, 0.11, 0.25, 0.19
HSL	33°, 35%, 71%
HSV	33°, 25%, 81%
XYZ	48.7890, 49.9129, 38.0730
YIQ	187.5710, 23.0170, -4.1430

Conversions

Conversions Part 2

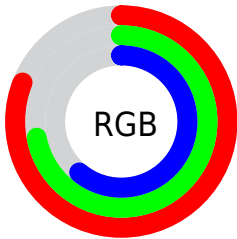
Format	Color
R_{YB}	196, 207, 155
Decimal	13613211
CIE Lab	76.02, 3.72, 17.75
CIE LCh	76, 18.133, 78.154
Yxy	49.9129, 0.3567, 0.3649
Android (android.graphics.Color)	4291803291 (0xFFCFB89B)
YUV	187.5710, -16.0575, 17.0392
Hunter-Lab	70.6491, -0.3669, 17.5028

Details

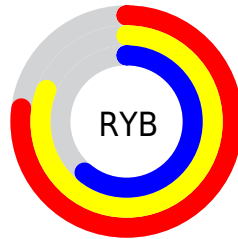
The XYZ color **48.7890, 49.9129, 38.0730** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.7001, 43.3132, 65.2469**, and the grayscale version is **47.6367, 50.1175, 54.5780**.

A 20% lighter version of the original color is **84.0329, 88.2333, 73.5745**, and **23.5639, 23.9075, 16.4694** is the 20% darker color. If you saturate the color by 10%, you get **45.3574, 45.5971, 29.0752**, and if you desaturate by 10%, it is **52.6444, 54.5986, 48.6835**.

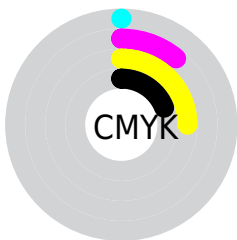
Distribution



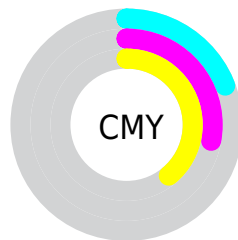
- Red (81%)
- Green (72%)
- Blue (61%)



- Red (77%)
- Yellow (81%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (19%)





- Cyan (19%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7890, 49.9129, 38.0730 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 48.7890, 49.9129, 38.0730 by changing the saturation by 10% instead.


 48.7890, 49.9129,
38.0730


 48.7890, 49.9129,
38.0730


372.4418,
386.3252, 353.2406

 34.6660, 35.3442,
25.7371


 87.5806, 90.0458,
73.4247

 23.5710, 23.9281,
16.4031


 112.9799,
116.3788, 97.2775

 15.1387, 15.2803,
9.6524


142.8686,
147.4020, 125.8064

 9.0037, 9.0164,
5.0665

177.6122,
183.4999, 159.4299

 4.8007, 4.7519,
2.2269

217.5760,
225.0567, 198.5665

 2.1644, 2.1024,
0.6898

263.1252,

 0.7239, 0.6660,

272.4569, 243.6348

0.0000

314.6254,
326.0850, 295.0533

■ 0.0000, 0.0000,
0.0000

■ 48.7890, 49.9129,
38.0730

■ 48.7890, 49.9129,
38.0730

■ 45.3574, 45.5971,
29.0752

■ 52.6444, 54.5986,
48.6835

■ 42.3280, 41.6337,
21.6060

■ 56.9359, 59.6575,
60.9787

■ 39.6834, 38.0135,
15.5788

■ 61.6804, 65.1016,
75.0299

■ 37.4028, 34.7245,
10.8965

■ 66.8923, 70.9401,
90.9034

■ 35.4631, 31.7533,
7.4501

■ 72.0167, 76.9543,
105.6657

■ 33.8378, 29.0851,
5.1132

■ 74.6282, 82.1773,
106.5362

■ 32.4952, 26.7028,
3.7315

■ 77.3754, 87.6718,
107.4520

■ 31.9155, 25.6320,
3.2653

■ 79.5422, 92.0055,
108.1742

Harmonies

Analogous

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



51.9152, 49.9129, 41.6134



48.7890, 49.9129, 38.0730



45.4422, 49.9129, 38.4931

Triad

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



48.7890, 49.9129, 38.0730



41.5227, 49.9129, 60.3618



52.4547, 49.9129, 67.7504

Complementary

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



48.7890, 49.9129, 38.0730



40.7001, 43.3132, 65.2469

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.



49.4970, 49.9129, 74.0463



48.7890, 49.9129, 38.0730



43.2310, 49.9129, 69.4437

Square

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



48.7890, 49.9129, 38.0730



41.3533, 49.9129, 50.6103



46.1175, 49.9129, 74.7005



54.0980, 49.9129, 58.2625

Rectangle

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



48.7890, 49.9129, 38.0730



43.5335, 49.9129, 40.9708



46.1175, 49.9129, 74.7005



51.5750, 49.9129, 70.3565

Sweetspot

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



48.7903, 49.9152, 38.0740



89.1269, 93.1336, 91.5737



45.5300, 39.9391, 47.6402



18.8498, 19.6677, 18.9471



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.



48.7903, 49.9152, 38.0740



75.2275, 76.2970, 53.1451



53.2412, 59.8865, 39.7641



12.3478, 12.8862, 12.4485



20.2038, 16.3407, 2.0892



1.2081, 1.0705, 0.1430

Inverse Universe

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



40.7001, 43.3132, 65.2469



60.1512, 63.9965, 103.7900



37.0064, 35.1769, 63.8711



11.5878, 12.2658, 15.0005



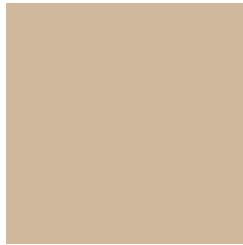
9.5732, 7.7931, 38.1921



0.6138, 0.5927, 2.1616

Previews

White Background



This preview shows how the XYZ color 48.7890, 49.9129, 38.0730 looks on a white background.

Color Contrast Check

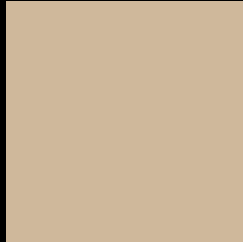
Large Text (above 18pt) WCAG AA × Fail

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 48.7890, 49.9129, 38.0730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

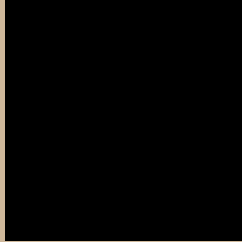
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7890, 49.9129, 38.0730

Background



This preview shows how black text looks on a background with the XYZ color 48.7890, 49.9129, 38.0730.



This preview shows how white text looks on a background with the XYZ color 48.7890, 49.9129,

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

48.7890, 49.9129, 38.0730

Protanopia

47.0598, 49.9467, 38.6129

Deuteranopia

50.9373, 49.7945, 38.3791



Tritanopia

52.8971, 50.0875, 57.3320

Trichromacy



Original Color

48.7890, 49.9129, 38.0730

Protanomaly

47.6470, 49.9356, 38.5798

Deuteranomaly

49.9652, 49.5942, 38.3917

Tritanomaly

51.2389, 50.0041, 49.5990

Monochromacy



Original Color

48.7890, 49.9129, 38.0730

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1125, 50.2773, 48.2430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7890, 49.9129, 38.0730 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, 184, 155)` looks like.

```
.text, #text, p{  
    color:rgb(207, 184, 155)  
}
```

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, 184, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 184, 155) }
```

Border

The CSS property to change the border of an element to XYZ 48.7890, 49.9129, 38.0730 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, 184, 155) }
```


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

```
.border{ border-color:rgb(207, 184, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 184, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 184, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 184, 155);  
box-shadow:4px 4px 4px 4px rgb(207, 184,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7890, 49.9129, 38.0730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 184, 155) }
```

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

```
.background{ background-color: rgb(207,  
184, 155) }
```

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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