

Converting Colors

XYZ(48.4599, 51.3953, 38.4054)

Have a look what the booklet for
XYZ(48.4599, 51.3953, 38.4054)
contains.

XYZ(48.4711, 51.3183, 38.3611)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.4711, 51.3183,
38.3611)**

Conversions

Conversions Part 1

Format	Color
Hex	CABD9B
RGB	202, 189, 155
RGB Percent	79%, 74%, 61%
CMY	0.2078, 0.2588, 0.3922
CMYK	0.00, 0.06, 0.23, 0.21
HSL	43°, 31%, 70%
HSV	43°, 23%, 79%
XYZ	48.4711, 51.3183, 38.3611
YIQ	189.0110, 18.6620, -7.8180

Conversions

Conversions Part 2

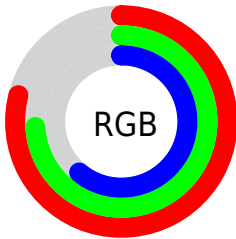
Format	Color
RYB	173, 202, 155
Decimal	13286811
CIELab	76.87, -0.84, 18.87
CIELCh	77, 18.886, 92.541
Yxy	51.3183, 0.3509, 0.3715
Android (android.graphics.Color)	4291476891 (0xFFCABD9B)
YUV	189.0110, -16.7674, 11.3914
Hunter-Lab	71.6368, -4.5872, 18.3963

Details

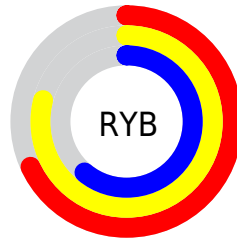
The XYZ color **48.4711, 51.3183, 38.3611** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.1807, 39.2371, 61.4385**, and the grayscale version is **48.4626, 50.9864, 55.5242**.

A 20% lighter version of the original color is **85.5253, 91.2180, 74.0719**, and **23.3355, 24.8108, 16.6558** is the 20% darker color. If you saturate the color by 10%, you get **45.7366, 48.3407, 29.7686**, and if you desaturate by 10%, it is **51.5384, 54.5066, 48.4659**.

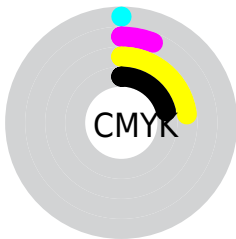
Distribution



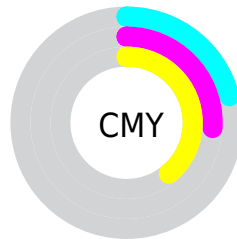
- Red (79%)
- Green (74%)
- Blue (61%)



- Red (68%)
- Yellow (79%)
- Blue (61%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (21%)





- Cyan (21%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4711, 51.3183, 38.3611 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 48.4711, 51.3183, 38.3611 by changing the saturation by 10% instead.


 48.4711, 51.3183,
38.3611

 48.4711, 51.3183,
38.3611


371.2080,
391.7992, 354.5110

 34.4129, 36.4620,
25.9591

 87.1109, 92.1251,
73.8708

 23.3754, 24.7912,
16.5675


 112.4232,
118.8444, 97.8156

 14.9931, 15.9216,
9.7679

142.2175,
150.2868, 126.4450

 8.9009, 9.4687,
5.1418

176.8593,
186.8367, 160.1777

 4.7332, 5.0481,
2.2705

216.7139,
228.8785, 199.4320

 2.1247, 2.2755,
0.7146

262.1467,

 0.7026, 0.7607,

276.7965, 244.6267

0.0000

313.5229,
330.9753, 296.1802

■ 0.0000, 0.0000,
0.0000

■ 48.4711, 51.3183,
38.3611

■ 48.4711, 51.3183,
38.3611

■ 45.7366, 48.3407,
29.7686

■ 51.5384, 54.5066,
48.4659

■ 43.3163, 45.5602,
22.6107

■ 54.9481, 57.9050,
60.1489

■ 41.1956, 42.9719,
16.8076

■ 58.7143, 61.5216,
73.4764

■ 39.3572, 40.5681,
12.2703

■ 62.8492, 65.3621,
88.5096

■ 37.7817, 38.3401,
8.8993

■ 67.2025, 69.3672,
104.4550

■ 36.4467, 36.2781,
6.5798

■ 68.6661, 72.2943,
104.9429

■ 35.3254, 34.3705,
5.1737

■ 70.1789, 75.3199,
105.4471

■ 34.6587, 33.1597,
4.5737

■ 71.7413, 78.4447,
105.9679

■ 73.3538, 81.6698,
106.5054

Harmonies

Analogous

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



52.0296, 51.3183, 40.1052



48.4711, 51.3183, 38.3611



45.1565, 51.3183, 40.8119

Triad

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



48.4711, 51.3183, 38.3611



43.1852, 51.3183, 67.2008



55.1623, 51.3183, 65.4985

Complementary

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



48.4711, 51.3183, 38.3611



38.1807, 39.2371, 61.4385

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.



52.5849, 51.3183, 74.2563



48.4711, 51.3183, 38.3611



45.6619, 51.3183, 75.3208

Square

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



48.4711, 51.3183, 38.3611



42.1997, 51.3183, 56.7580



49.0832, 51.3183, 78.0473



56.0034, 51.3183, 55.0050

Rectangle

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



48.4711, 51.3183, 38.3611



43.4992, 51.3183, 44.6941



49.0832, 51.3183, 78.0473



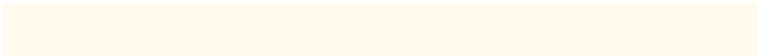
54.4642, 51.3183, 68.7848

Sweetspot

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



48.4724, 51.3206, 38.3622



90.7536, 95.7945, 93.9427



43.1764, 38.8389, 42.4223



19.3487, 20.4282, 19.8455



0.0000, 0.0000, 0.0000



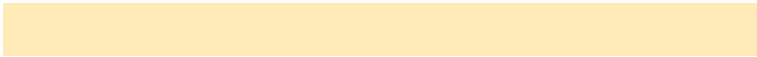
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4724, 51.3206, 38.3622



79.6320, 84.2683, 57.1962



48.7291, 55.7905, 39.2114



11.8814, 12.5518, 11.8759



22.3803, 21.4936, 2.9691



1.2161, 1.2320, 0.1737

Inverse Universe

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



38.1807, 39.2371, 61.4385



59.1583, 60.2347, 103.1162



37.9378, 35.7267, 60.7737



10.8500, 11.3405, 14.1875



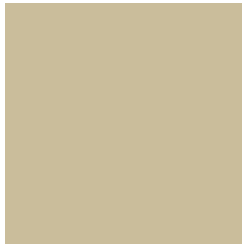
7.8304, 4.6848, 36.4478



0.4688, 0.3713, 1.9019

Previews

White Background



This preview shows how the XYZ color 48.4711, 51.3183, 38.3611 looks on a white background.

Color Contrast Check

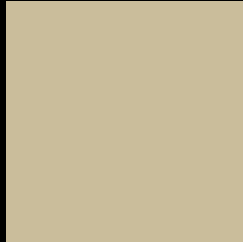
Large Text (above 18pt) WCAG AA × Fail

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 48.4711, 51.3183, 38.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

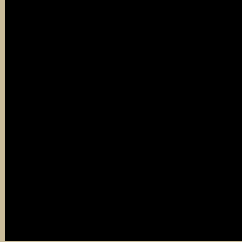
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4711, 51.3183, 38.3611

Background



This preview shows how black text looks on a background with the XYZ color 48.4711, 51.3183, 38.3611.



This preview shows how white text looks on a background with the XYZ color 48.4711, 51.3183,

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

48.4711, 51.3183, 38.3611

Protanopia

48.2014, 51.1793, 38.3484

Deuteranopia

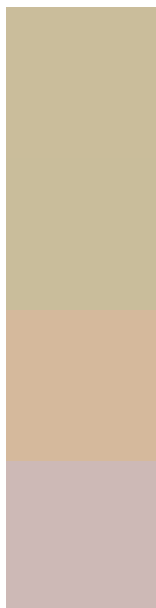
52.2439, 51.0718, 38.5568



Tritanopia

52.7437, 51.1636, 59.9190

Trichromacy



Original Color

48.4711, 51.3183, 38.3611

Protanomaly

48.2014, 51.1793, 38.3484

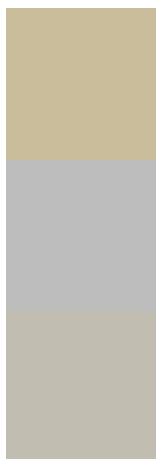
Deuteranomaly

50.7903, 51.2444, 38.6667

Tritanomaly

50.9693, 51.0545, 51.4241

Monochromacy



Original Color

48.4711, 51.3183, 38.3611

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3815, 51.0389, 48.8965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4711, 51.3183, 38.3611 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(202, 189, 155)` looks like.

```
.text, #text, p{  
    color:rgb(202, 189, 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(202, 189, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 189, 155) }
```

Border

The CSS property to change the border of an element to XYZ 48.4711, 51.3183, 38.3611 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(202, 189, 155) }
```


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

```
.border{ border-color:rgb(202, 189, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 189, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 189, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 189, 155);  
box-shadow:4px 4px 4px 4px rgb(202, 189,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4711, 51.3183, 38.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 189, 155) }
```

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

```
.background{ background-color: rgb(202,  
189, 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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