

Converting Colors

XYZ(47.2412, 50.0515, 38.1821)

Have a look what the booklet for
XYZ(47.2412, 50.0515, 38.1821)
contains.

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Color

**XYZ(47.2399, 50.0493,
38.1810)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BB9B
RGB	199, 187, 155
RGB Percent	78%, 73%, 61%
CMY	0.2196, 0.2666, 0.3922
CMYK	0.00, 0.06, 0.22, 0.22
HSL	44°, 28%, 69%
HSV	44°, 22%, 78%
XYZ	47.2399, 50.0493, 38.1810
YIQ	186.9400, 17.4240, -7.4080

Conversions

Conversions Part 2

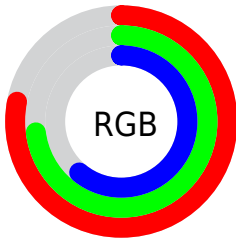
Format	Color
RYB	172, 199, 155
Decimal	13089691
CIELab	76.10, -0.92, 17.76
CIELCh	76, 17.782, 92.970
Yxy	50.0493, 0.3487, 0.3694
Android (android.graphics.Color)	4291279771 (0xFFC7BB9B)
YUV	186.9400, -15.7464, 10.5766
Hunter-Lab	70.7455, -4.6124, 17.5234

Details

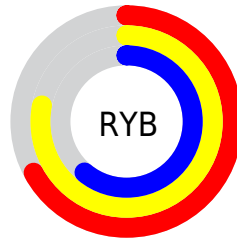
The XYZ color **47.2399, 50.0493, 38.1810** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.6449, 38.7286, 59.5244**, and the grayscale version is **47.2804, 49.7427, 54.1698**.

A 20% lighter version of the original color is **84.9235, 90.0143, 73.8713**, and **22.7008, 24.0694, 16.5461** is the 20% darker color. If you saturate the color by 10%, you get **44.5756, 47.1783, 29.7161**, and if you desaturate by 10%, it is **50.2258, 53.1220, 48.1132**.

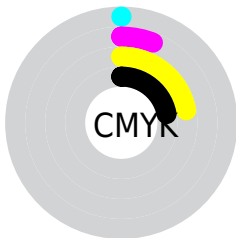
Distribution



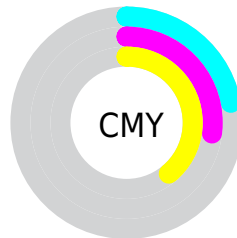
- Red (78%)
- Green (73%)
- Blue (61%)



- Red (67%)
- Yellow (78%)
- Blue (61%)



- Cyan (0%)
- Magenta (6%)
- Yellow (22%)
- Black (22%)



- Cyan (22%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2399, 50.0493, 38.1810 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 47.2399, 50.0493, 38.1810 by changing the saturation by 10% instead.

■ 47.2399, 50.0493,
38.1810

■ 47.2399, 50.0493,
38.1810

366.4042,
386.8587, 353.7172

■ 33.4341, 35.4526,
25.8203

■ 85.2882, 90.2479,
73.5920

■ 22.6200, 24.0117,
16.4647

■ 110.2613,
116.6186, 97.4793

■ 14.4323, 15.3423,
9.6957

139.6877,
147.6827, 126.0459

■ 8.5057, 9.0600,
5.0947

173.9325,
183.8247, 159.7104

■ 4.4747, 4.7803,
2.2432

213.3613,
225.4288, 198.8912

■ 1.9740, 2.1190,
0.6991

258.3392,

■ 0.6193, 0.6753,

272.8796, 244.0069

0.0000

309.2318,
326.5615, 295.4761

■ 0.0000, 0.0000,
0.0000

■ 47.2399, 50.0493,
38.1810

■ 47.2399, 50.0493,
38.1810

■ 44.5756, 47.1783,
29.7161

■ 50.2258, 53.1220,
48.1132

■ 42.2150, 44.4958,
22.6441

■ 53.5423, 56.3956,
59.5757

■ 40.1443, 41.9974,
16.8889

■ 57.2031, 59.8779,
72.6318

■ 38.3470, 39.6756,
12.3659

■ 61.2197, 63.5744,
87.3404

■ 36.8047, 37.5222,
8.9804

■ 65.6032, 67.4900,
103.7570

■ 35.4962, 35.5280,
6.6241

■ 67.0805, 70.3165,
104.6447

■ 34.3964, 33.6822,
5.1670

■ 68.5238, 73.2032,
105.1258

■ 33.6400, 32.3156,
4.4645

■ 70.0138, 76.1832,
105.6224

■ 71.5508, 79.2572,
106.1348

Harmonies

Analogous

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



50.5349, 50.0493, 39.7603



47.2399, 50.0493, 38.1810



44.1758, 50.0493, 40.5341

Triad

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



47.2399, 50.0493, 38.1810



42.4065, 50.0493, 65.0774



53.4946, 50.0493, 63.2455

Complementary

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



47.2399, 50.0493, 38.1810



37.6449, 38.7286, 59.5244

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.



51.1346, 50.0493, 71.3421



47.2399, 50.0493, 38.1810



44.7241, 50.0493, 72.4833

Square

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



47.2399, 50.0493, 38.1810



41.4679, 50.0493, 55.4493



47.9024, 50.0493, 74.8984



54.2439, 50.0493, 53.5521

Rectangle

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



47.2399, 50.0493, 38.1810



42.6475, 50.0493, 44.1969



47.9024, 50.0493, 74.8984



52.8581, 50.0493, 66.2805

Sweetspot

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



47.2412, 50.0515, 38.1821



90.7751, 95.8374, 93.9498



42.2933, 38.3927, 41.9679



19.3537, 20.4382, 19.8472



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.



47.2412, 50.0515, 38.1821



80.1804, 84.9346, 58.7061



47.4425, 54.0924, 38.9514



11.2699, 11.9090, 11.2674



21.7072, 20.9316, 2.8961



1.0858, 1.1070, 0.1564

Inverse Universe

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



37.6449, 38.7286, 59.5244



60.1485, 61.3026, 103.2702



37.4509, 35.5163, 58.9146



10.2881, 10.7502, 13.4503



7.5480, 4.4899, 35.2132



0.4195, 0.3368, 1.6880

Previews

White Background



This preview shows how the XYZ color 47.2399, 50.0493, 38.1810 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 47.2399, 50.0493, 38.1810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

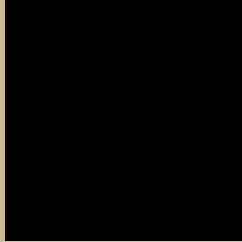
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2399, 50.0493, 38.1810

Background



This preview shows how black text looks on a background with the XYZ color 47.2399, 50.0493, 38.1810.



This preview shows how white text looks on a background with the XYZ color 47.2399, 50.0493,

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

47.2399, 50.0493, 38.1810

Protanopia

46.9754, 49.9130, 38.1686

Deuteranopia

50.9373, 49.7945, 38.3791



Tritanopia

51.3895, 49.8706, 59.1420

Trichromacy



Original Color

47.2399, 50.0493, 38.1810

Protanomaly

46.9754, 49.9130, 38.1686

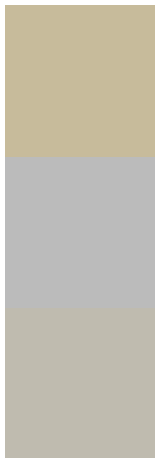
Deuteranomaly

49.5126, 49.9689, 38.4879

Tritanomaly

49.6311, 49.7597, 50.7048

Monochromacy



Original Color

47.2399, 50.0493, 38.1810

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9940, 49.7122, 47.6760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2399, 50.0493, 38.1810 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(199, 187, 155)` looks like.

```
.text, #text, p{  
    color:rgb(199, 187, 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(199, 187, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 187, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.2399, 50.0493, 38.1810 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(199, 187, 155) }
```


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

```
.border{ border-color:rgb(199, 187, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 187, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 187, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 187, 155);  
box-shadow:4px 4px 4px 4px rgb(199, 187,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2399, 50.0493, 38.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 187, 155) }
```

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

```
.background{ background-color: rgb(199,  
187, 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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