

Converting Colors

XYZ(46.8652, 48.8917, 39.3147)

Have a look what the booklet for
XYZ(46.8652, 48.8917, 39.3147)
contains.

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Color

**XYZ(46.8652, 48.8917,
39.3147)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B89E
RGB	199, 184, 158
RGB Percent	78%, 72%, 62%
CMY	0.2196, 0.2784, 0.3804
CMYK	0.00, 0.08, 0.21, 0.22
HSL	38°, 27%, 70%
HSV	38°, 21%, 78%
XYZ	46.8652, 48.8917, 39.3147
YIQ	185.5210, 17.2860, -4.9060

Conversions

Conversions Part 2

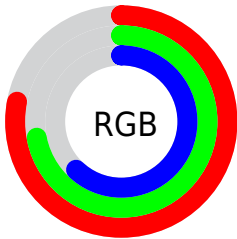
Format	Color
R_{YB}	182, 199, 158
Decimal	13088926
CIE _{Lab}	75.38, 1.11, 15.14
CIE _{LCh}	75, 15.182, 85.795
Yxy	48.8917, 0.3470, 0.3620
Android (android.graphics.Color)	4291279006 (0xFFC7B89E)
YUV	185.5210, -13.5679, 11.8211
Hunter-Lab	69.9226, -2.7260, 15.6094

Details

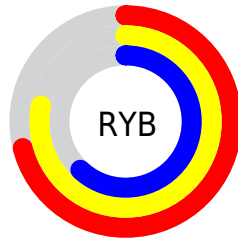
The XYZ color **46.8652, 48.8917, 39.3147** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.3526, 41.2787, 59.9266**, and the grayscale version is **46.4720, 48.8922, 53.2436**.

A 20% lighter version of the original color is **84.4103, 88.3843, 75.5618**, and **22.4472, 23.3139, 17.2269** is the 20% darker color. If you saturate the color by 10%, you get **43.8163, 45.3164, 30.5208**, and if you desaturate by 10%, it is **50.2720, 52.7379, 49.5974**.

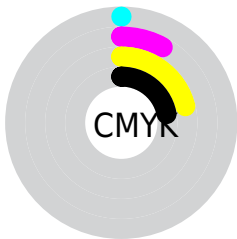
Distribution



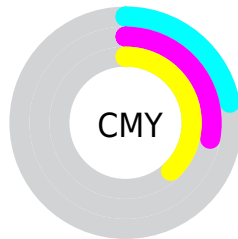
- Red (78%)
- Green (72%)
- Blue (62%)



- Red (71%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (8%)
- Yellow (21%)
- Black (22%)





- Cyan (22%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8652, 48.8917, 39.3147 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 46.8652, 48.8917, 39.3147 by changing the saturation by 10% instead.


 46.8652, 48.8917,
39.3147


 46.8652, 48.8917,
39.3147


364.9341,
382.3158, 358.6924

 33.1366, 34.5336,
26.6949


 84.7323, 88.5306,
75.3445

 22.3908, 23.3038,
17.1138


 109.6016,
114.5801, 99.5915

 14.2626, 14.8180,
10.1529


138.9151,
145.2956, 128.5514

 8.3864, 8.6918,
5.3935

173.0383,
181.0614, 162.6427

 4.3971, 4.5407,
2.4172

212.3364,
222.2620, 202.2839

 1.9291, 1.9804,
0.7958

257.1748,

 0.5937, 0.5960,

269.2816, 247.8936

0.0000

307.9189,
322.5048, 299.8902

■ 0.0000, 0.0000,
0.0000

■ 46.8652, 48.8917,
39.3147

■ 46.8652, 48.8917,
39.3147

■ 43.8163, 45.3164,
30.5208

■ 50.2720, 52.7379,
49.5974

■ 41.1068, 41.9979,
23.1422

■ 54.0462, 56.8558,
61.4318

■ 38.7224, 38.9302,
17.1034

■ 58.2020, 61.2543,
74.8808

■ 36.6461, 36.1045,
12.3208

■ 62.7516, 65.9401,
90.0027

■ 34.8591, 33.5113,
8.7012

■ 67.3009, 70.7573,
104.7181

■ 33.3399, 31.1400,
6.1384

■ 69.2576, 74.6707,
105.3704

■ 32.0635, 28.9785,
4.5063

■ 71.2985, 78.7526,
106.0507

■ 31.0418, 27.1191,
3.5984

■ 73.4247, 83.0050,
106.7594

■ 75.6372, 87.4299,
107.4969

Harmonies

Analogous

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



49.5567, 48.8917, 41.4947



46.8652, 48.8917, 39.3147



44.1708, 48.8917, 40.5464

Triad

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



46.8652, 48.8917, 39.3147



41.7980, 48.8917, 60.2162



51.0573, 48.8917, 62.3629

Complementary

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



46.8652, 48.8917, 39.3147



39.3526, 41.2787, 59.9266

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.



48.8478, 48.8917, 68.3273



46.8652, 48.8917, 39.3147



43.5144, 48.8917, 67.0033

Square

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



46.8652, 48.8917, 39.3147



41.3145, 48.8917, 52.1143



46.0772, 48.8917, 70.1047



52.0377, 48.8917, 54.3711

Rectangle

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



46.8652, 48.8917, 39.3147



42.7236, 48.8917, 43.2098



46.0772, 48.8917, 70.1047



50.4295, 48.8917, 64.7015

Sweetspot

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



46.8665, 48.8939, 39.3157



90.9243, 95.5348, 95.8525



43.3265, 39.6148, 44.9155



19.3686, 20.3467, 20.2257



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.



46.8665, 48.8939, 39.3157



79.4391, 82.5677, 61.1849



48.7239, 54.7235, 40.3431



11.1851, 11.7394, 11.2392



20.0463, 17.6098, 2.3425



1.0165, 0.9684, 0.1333

Inverse Universe

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



39.3526, 41.2787, 59.9266



63.7890, 66.7093, 104.1219



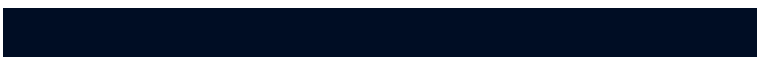
37.7362, 36.4138, 59.0727



10.3690, 10.9121, 13.4772



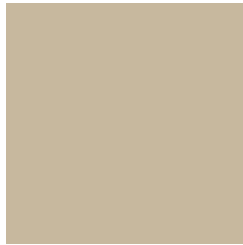
8.2285, 5.8509, 35.4400



0.4585, 0.4149, 1.7011

Previews

White Background



This preview shows how the XYZ color 46.8652, 48.8917, 39.3147 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 46.8652, 48.8917, 39.3147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

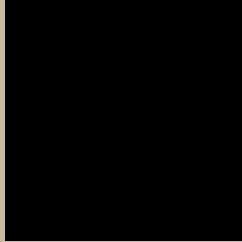
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8652, 48.8917, 39.3147

Background



This preview shows how black text looks on a background with the XYZ color 46.8652, 48.8917, 39.3147.



This preview shows how white text looks on a background with the XYZ color 46.8652, 48.8917,

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

46.8652, 48.8917, 39.3147

Protanopia

46.1126, 48.8032, 39.7905

Deuteranopia

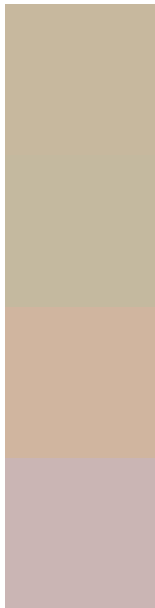
49.8187, 48.8895, 39.6118



Tritanopia

50.3743, 48.7870, 57.2139

Trichromacy



Original Color

46.8652, 48.8917, 39.3147

Protanomaly

46.3719, 48.9369, 39.8026

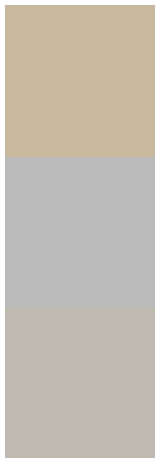
Deuteranomaly

48.7943, 48.9608, 39.6795

Tritanomaly

49.1192, 48.8996, 50.0297

Monochromacy



Original Color

46.8652, 48.8917, 39.3147

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6713, 48.9089, 48.0548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8652, 48.8917, 39.3147 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, 184, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 184, 158)  
}
```

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, 184, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 184, 158) }
```

Border

The CSS property to change the border of an element to XYZ 46.8652, 48.8917, 39.3147 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, 184, 158) }
```


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

```
.border{ border-color:rgb(199, 184, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 184, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 184, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 184, 158);  
box-shadow:4px 4px 4px 4px rgb(199, 184,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8652, 48.8917, 39.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 184, 158) }
```

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

```
.background{ background-color: rgb(199,  
184, 158) }
```

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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