

Converting Colors

XYZ(42.4011, 44.6421, 38.2810)

Have a look what the booklet for
XYZ(42.4011, 44.6421, 38.2810)
contains.

XYZ(42.4997, 44.8399, 38.3133)	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(42.4997, 44.8399,
38.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB29D
RGB	187, 178, 157
RGB Percent	73%, 70%, 62%
CMY	0.2667, 0.3019, 0.3843
CMYK	0.00, 0.05, 0.16, 0.27
HSL	42°, 18%, 67%
HSV	42°, 16%, 73%
XYZ	42.4997, 44.8399, 38.3133
YIQ	178.2970, 12.1050, -4.6230

Conversions

Conversions Part 2

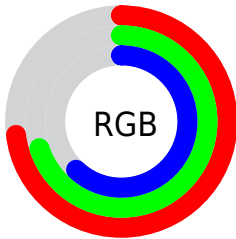
Format	Color
RYB	170, 187, 157
Decimal	12300957
CIELab	72.79, -0.36, 11.88
CIELCh	73, 11.888, 91.723
Yxy	44.8399, 0.3382, 0.3569
Android (android.graphics.Color)	4290491037 (0xFFBBB29D)
YUV	178.2970, -10.4994, 7.6325
Hunter-Lab	66.9626, -3.8945, 12.9505

Details

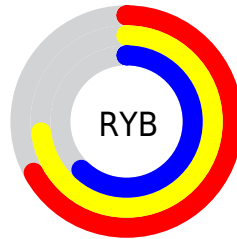
The XYZ color **42.4997, 44.8399, 38.3133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **36.5103, 38.0276, 52.4298**, and the grayscale version is **42.5246, 44.7392, 48.7209**.

A 20% lighter version of the original color is **78.2686, 82.6538, 74.1159**, and **19.7667, 20.7762, 16.6041** is the 20% darker color. If you saturate the color by 10%, you get **39.9312, 42.0650, 30.1741**, and if you desaturate by 10%, it is **45.3607, 47.8078, 47.7567**.

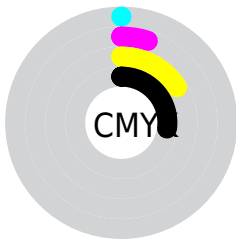
Distribution



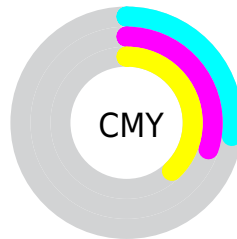
- Red (73%)
- Green (70%)
- Blue (62%)



- Red (67%)
- Yellow (73%)
- Blue (62%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (27%)





- Cyan (27%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4997, 44.8399, 38.3133 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 42.4997, 44.8399, 38.3133 by changing the saturation by 10% instead.


 42.4997, 44.8399,
38.3133


 42.4997, 44.8399,
38.3133


347.5067,
366.1248, 354.3004

 29.6856, 31.3313,
25.9222


 78.2158, 82.4801,
73.7968

 19.7469, 20.8513,
16.5402

 101.8484,
107.3806, 97.7264

 12.3184, 13.0153,
9.7487


129.8180,
136.8471, 126.3391

 7.0347, 7.4391,
5.1293

162.4898,
171.2641, 160.0537

 3.5303, 3.7382,
2.2632

200.2292,
211.0160, 199.2886

 1.4400, 1.5282,
0.7105

243.4016,

 0.2845, 0.3085,

256.4871, 244.4623

0.0000

292.3723,
308.0619, 295.9934

■ 0.0000, 0.0000,
0.0000

■ 42.4997, 44.8399,
38.3133

■ 42.4997, 44.8399,
38.3133

■ 39.9312, 42.0650,
30.1741

■ 45.3607, 47.8078,
47.7567

■ 37.6398, 39.4716,
23.2777

■ 48.5214, 50.9678,
58.5561

■ 35.6145, 37.0559,
17.5620

■ 51.9933, 54.3271,
70.7643

■ 33.8415, 34.8114,
12.9585

■ 55.7862, 57.8902,
84.4300

■ 32.3060, 32.7314,
9.3915

■ 59.9094, 61.6617,
99.5999

■ 30.9912, 30.8083,
6.7758

■ 61.9998, 64.6972,
103.8278

■ 29.8779, 29.0332,
5.0125

■ 63.4230, 67.5436,
104.3022

■ 28.9414, 27.3956,
3.9750

■ 64.8954, 70.4884,
104.7930

■ 28.5998, 26.7772,
3.6611

■ 66.4174, 73.5324,
105.3003

Harmonies

Analogous

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



44.5283, 44.8399, 39.4753



42.4997, 44.8399, 38.3133



40.5646, 44.8399, 39.7728

Triad

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



42.4997, 44.8399, 38.3133



39.3291, 44.8399, 55.0514



46.2132, 44.8399, 54.4123

Complementary

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



42.4997, 44.8399, 38.3133



36.5103, 38.0276, 52.4298

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.



44.7416, 44.8399, 59.1515



42.4997, 44.8399, 38.3133



40.7650, 44.8399, 59.5409

Square

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



42.4997, 44.8399, 38.3133



38.7711, 44.8399, 49.1658



42.7385, 44.8399, 61.0978



46.7134, 44.8399, 48.4819

Rectangle

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



42.4997, 44.8399, 38.3133



39.5765, 44.8399, 42.1104



42.7385, 44.8399, 61.0978



45.8135, 44.8399, 56.2136

Sweetspot

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



42.5009, 44.8419, 38.3143



81.7608, 86.1519, 87.2839



39.4339, 37.4325, 41.2238



17.9208, 18.8865, 18.9375



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



42.5009, 44.8419, 38.3143



74.5597, 78.6506, 63.6088



42.9126, 47.7991, 38.8634



10.0741, 10.6243, 10.0964



19.7709, 18.5807, 2.5444



0.8291, 0.8372, 0.1179

Inverse Universe

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



36.5103, 38.0276, 52.4298



61.9402, 64.2969, 93.3473



36.1314, 35.4890, 51.9597



9.2435, 9.6793, 12.0533



7.2131, 4.5380, 32.8886



0.3417, 0.2960, 1.3080

Previews

White Background



This preview shows how the XYZ color 42.4997, 44.8399, 38.3133 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 42.4997, 44.8399, 38.3133 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

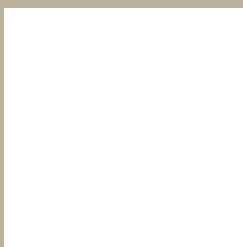
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4997, 44.8399, 38.3133

Background



This preview shows how black text looks on a background with the XYZ color 42.4997, 44.8399, 38.3133.



This preview shows how white text looks on a background with the XYZ color 42.4997, 44.8399,

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

42.4997, 44.8399, 38.3133

Protanopia

42.4997, 44.8399, 38.3133

Deuteranopia

45.5527, 44.6702, 38.5691



Tritanopia

45.5915, 44.9363, 53.2844

Trichromacy



Original Color

42.4997, 44.8399, 38.3133

Protanomaly

42.4997, 44.8399, 38.3133

Deuteranomaly

44.3336, 44.6110, 38.6219

Tritanomaly

44.4016, 44.7417, 47.3701

Monochromacy



Original Color

42.4997, 44.8399, 38.3133

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.2321, 44.5668, 44.4066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4997, 44.8399, 38.3133 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(187, 178, 157)` looks like.

```
.text, #text, p{  
    color:rgb(187, 178, 157)  
}
```

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(187, 178, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 178, 157) }
```

Border

The CSS property to change the border of an element to XYZ 42.4997, 44.8399, 38.3133 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(187, 178, 157) }
```


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

```
.border{ border-color:rgb(187, 178, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 178, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 178, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 178, 157);  
box-shadow:4px 4px 4px 4px rgb(187, 178,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4997, 44.8399, 38.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 178, 157) }
```

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

```
.background{ background-color: rgb(187,  
178, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor