

Converting Colors

XYZ(38.4415, 36.9196, 36.6229)

Have a look what the booklet for
XYZ(38.4415, 36.9196, 36.6229)
contains.

XYZ(38.5512, 37.0790, 36.5776)	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(38.5512, 37.0790,
36.5776)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9D9C
RGB	187, 157, 156
RGB Percent	73%, 62%, 61%
CMY	0.2667, 0.3843, 0.3882
CMYK	0.00, 0.16, 0.17, 0.27
HSL	2°, 19%, 67%
HSV	2°, 17%, 73%
XYZ	38.5512, 37.0790, 36.5776
YIQ	165.8560, 18.2010, 6.0490

Conversions

Conversions Part 2

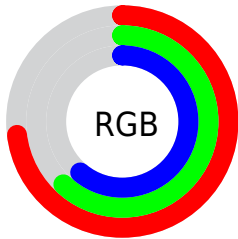
Format	Color
RYB	187, 157, 156
Decimal	12295580
CIELab	67.34, 10.91, 4.65
CIElCh	67, 11.857, 23.095
Yxy	37.0790, 0.3436, 0.3304
Android (android.graphics.Color)	4290485660 (0xFFBB9D9C)
YUV	165.8560, -4.8590, 18.5433
Hunter-Lab	60.8925, 6.4468, 7.0098

Details

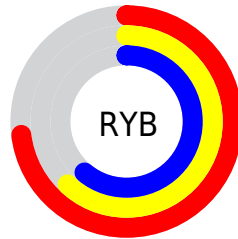
The XYZ color **38.5512, 37.0790, 36.5776** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.2385, 45.7725, 53.7282**, and the grayscale version is **36.1933, 38.0782, 41.4672**.

A 20% lighter version of the original color is **72.1385, 70.7948, 70.8354**, and **17.3767, 16.3145, 15.5978** is the 20% darker color. If you saturate the color by 10%, you get **34.2502, 30.8188, 27.9238**, and if you desaturate by 10%, it is **43.5515, 44.3469, 46.6682**.

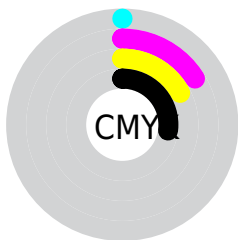
Distribution



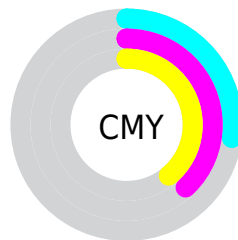
- Red (73%)
- Green (62%)
- Blue (61%)



- Red (73%)
- Yellow (62%)
- Blue (61%)



- Cyan (0%)
- Magenta (16%)
- Yellow (17%)
- Black (27%)





- Cyan (27%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5512, 37.0790, 36.5776 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 38.5512, 37.0790, 36.5776 by changing the saturation by 10% instead.

 38.5512, 37.0790,
36.5776


 38.5512, 37.0790,
36.5776


331.2187,
333.6524, 346.5916

 26.5899, 25.2687,
24.5874


 72.2507, 70.6943,
71.1017

 17.4005, 16.2773,
15.5537


 94.7196, 93.2680,
94.4727

 10.6175, 9.7206,
9.0580


121.4217,
120.1983, 122.4743

 5.8756, 5.2141,
4.6817

152.7225,
151.8696, 155.5252

 2.8095, 2.3734,
2.0063

188.9872,
188.6662, 194.0438

 1.0539, 0.8122,
0.5591

230.5813,

 0.0000, 0.0000,

230.9727, 238.4487

0.0000

277.8700,
279.1733, 289.1585

■ 38.5512, 37.0790,
36.5776

■ 38.5512, 37.0790,
36.5776

■ 34.2502, 30.8188,
27.9238

■ 43.5515, 44.3469,
46.6682

■ 30.6144, 25.5170,
20.6391

■ 49.2770, 52.6589,
58.2541

■ 27.6116, 21.1280,
14.6543

■ 55.7562, 62.0557,
71.3937

■ 25.2055, 17.6001,
9.8928

■ 63.0150, 72.5744,
86.1413

■ 23.3563, 14.8769,
6.2703

■ 71.0781, 84.2503,
102.5489

■ 22.0194, 12.8949,
3.6917

■ 74.3036, 89.3049,
107.9291

■ 21.1431, 11.5814,
2.0465

■ 20.6632, 10.8478,
1.1886

■ 20.5593, 10.6962,
0.9810

Harmonies

Analogous

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



38.8219, 37.0790, 41.5863



38.5512, 37.0790, 36.5776



37.3800, 37.0790, 32.8962

Triad

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



38.5512, 37.0790, 36.5776



32.5248, 37.0790, 34.6634



34.8246, 37.0790, 51.1304

Complementary

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



38.5512, 37.0790, 36.5776



40.2385, 45.7725, 53.7282

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.



33.1881, 37.0790, 48.9041



38.5512, 37.0790, 36.5776



31.8901, 37.0790, 39.1830

Square

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



38.5512, 37.0790, 36.5776



33.8911, 37.0790, 31.8590



32.1287, 37.0790, 44.4217



36.6293, 37.0790, 50.2822

Rectangle

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



38.5512, 37.0790, 36.5776



36.2671, 37.0790, 31.5448



32.1287, 37.0790, 44.4217



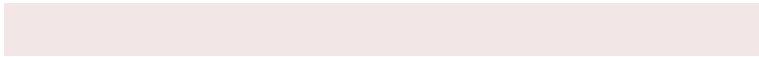
34.2374, 37.0790, 50.7108

Sweetspot

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



38.5522, 37.0807, 36.5784



79.4505, 81.5312, 86.5138



41.2968, 37.9080, 51.8649



17.3448, 17.7345, 18.7455



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.



38.5522, 37.0807, 36.5784



66.0167, 62.0030, 59.4096



41.2503, 42.4769, 37.4778



9.5543, 9.5845, 9.9231



14.1758, 7.3903, 0.6793



0.5639, 0.3066, 0.0295

Inverse Universe

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



40.2385, 45.7725, 53.7282



69.6226, 80.5911, 96.0875



37.2401, 39.7758, 52.7287



9.7814, 10.7551, 12.2326



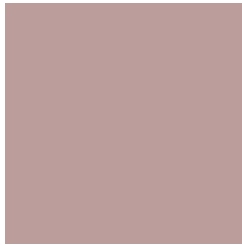
17.5686, 25.2489, 36.3405



0.6965, 1.0057, 1.4263

Previews

White Background



This preview shows how the XYZ color 38.5512, 37.0790, 36.5776 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 38.5512, 37.0790, 36.5776 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 38.5512, 37.0790, 36.5776

Background



This preview shows how black text looks on a background with the XYZ color 38.5512, 37.0790, 36.5776.



This preview shows how white text looks on a background with the XYZ color 38.5512, 37.0790,

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

38.5512, 37.0790, 36.5776

Protanopia

35.5908, 37.0573, 38.5346

Deuteranopia

37.9273, 37.2639, 36.6461



Tritanopia

39.4354, 36.9241, 41.6078

Trichromacy



Original Color

38.5512, 37.0790, 36.5776

Protanomaly

36.6821, 37.1069, 38.0299

Deuteranomaly

37.9948, 37.0444, 36.6002

Tritanomaly

39.2384, 37.1126, 39.7457

Monochromacy



Original Color

38.5512, 37.0790, 36.5776

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.0743, 37.8017, 39.5248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5512, 37.0790, 36.5776 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, 157, 156)` looks like.

```
.text, #text, p{  
    color:rgb(187, 157, 156)  
}
```

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, 157, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 157, 156) }
```

Border

The CSS property to change the border of an element to XYZ 38.5512, 37.0790, 36.5776 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, 157, 156) }
```


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

```
.border{ border-color:rgb(187, 157, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 157, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 157, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 157, 156);  
box-shadow:4px 4px 4px 4px rgb(187, 157,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5512, 37.0790, 36.5776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 157, 156) }
```

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

```
.background{ background-color: rgb(187,  
157, 156) }
```

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