

Converting Colors

XYZ(36.7670, 38.1582, 38.5005)

Have a look what the booklet for
XYZ(36.7670, 38.1582, 38.5005)
contains.

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Color

**XYZ(36.8136, 38.2190,
38.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA5A0
RGB	172, 165, 160
RGB Percent	67%, 65%, 63%
CMY	0.3255, 0.3529, 0.3725
CMYK	0.00, 0.04, 0.07, 0.33
HSL	25°, 7%, 65%
HSV	25°, 7%, 67%
XYZ	36.8136, 38.2190, 38.6944
YIQ	166.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

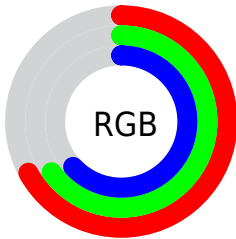
Format	Color
RYB	172, 169, 160
Decimal	11314592
CIELab	68.18, 1.62, 3.48
CIELCh	68, 3.834, 65.069
Yxy	38.2190, 0.3237, 0.3361
Android (android.graphics.Color)	4289504672 (0xFFACA5A0)
YUV	166.5230, -3.2158, 4.8033
Hunter-Lab	61.8215, -1.8941, 6.1652

Details

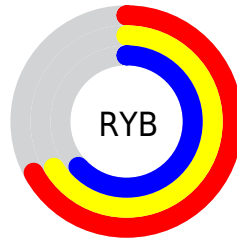
The XYZ color **36.8136, 38.2190, 38.6944** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7623, 38.0891, 44.4974**, and the grayscale version is **36.5128, 38.4143, 41.8332**.

A 20% lighter version of the original color is **69.5375, 72.4236, 74.6041**, and **16.4112, 16.9075, 16.8665** is the 20% darker color. If you saturate the color by 10%, you get **33.6736, 34.1823, 30.7307**, and if you desaturate by 10%, it is **40.3059, 42.6260, 47.8035**.

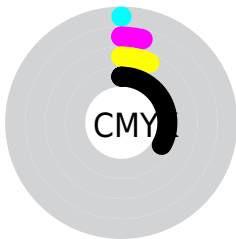
Distribution



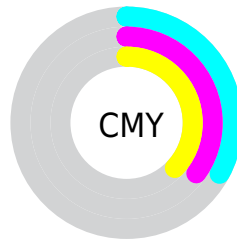
- Red (67%)
- Green (65%)
- Blue (63%)



- Red (67%)
- Yellow (66%)
- Blue (63%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (33%)



- Cyan (33%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8136, 38.2190, 38.6944 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 36.8136, 38.2190, 38.6944 by changing the saturation by 10% instead.

■ 36.8136, 38.2190,
38.6944

■ 36.8136, 38.2190,
38.6944

323.8724,
338.5585, 355.9766

■ 25.2362, 26.1527,
26.2161

■ 69.6017, 72.4437,
74.3864

■ 16.3828, 16.9379,
16.7581

■ 91.5431, 95.3709,
98.4372

■ 9.8880, 10.1902,
9.9021

117.6699,
122.6871, 127.1825

■ 5.3865, 5.5253,
5.2293

148.3475,
154.7769, 161.0410

■ 2.5128, 2.5586,
2.3213

183.9412,
192.0245, 200.4311

■ 0.9017, 0.9059,
0.7431

224.8163,

■ 0.0000, 0.0000,

234.8144, 245.7713

0.0000

271.3383,
283.5309, 297.4803

■ 36.8136, 38.2190,
38.6944

■ 36.8136, 38.2190,
38.6944

■ 33.6736, 34.1823,
30.7307

■ 40.3059, 42.6260,
47.8035

■ 30.8709, 30.5012,
23.8642

■ 44.1583, 47.4079,
58.0989

■ 28.3941, 27.1668,
18.0467

■ 48.3825, 52.5753,
69.6221

■ 26.2299, 24.1684,
13.2255

■ 52.9888, 58.1372,
82.4124

■ 24.3642, 21.4945,
9.3434

■ 57.9869, 64.1018,
96.5068

■ 22.7813, 19.1327,
6.3371

■ 62.0370, 69.9378,
104.8374

■ 21.4640, 17.0698,
4.1356

■ 64.8313, 75.5264,
105.7688

■ 20.3928, 15.2914,
2.6562

■ 67.7876, 81.4389,
106.7542

■ 19.5407, 13.7795,
1.7791

■ 70.8235, 87.5108,
107.7662

Harmonies

Analogous

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



37.2767, 38.2190, 39.7477



36.8136, 38.2190, 38.6944



36.2244, 38.2190, 38.4146

Triad

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



36.8136, 38.2190, 38.6944



35.1910, 38.2190, 41.9060



36.9917, 38.2190, 44.3721

Complementary

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



36.8136, 38.2190, 38.6944



35.7623, 38.0891, 44.4974

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.



36.4278, 38.2190, 44.9863



36.8136, 38.2190, 38.6944



35.3916, 38.2190, 43.5378

Square

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



36.8136, 38.2190, 38.6944



35.2917, 38.2190, 40.2392



35.8428, 38.2190, 44.6769



37.3803, 38.2190, 43.0197

Rectangle

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



36.8136, 38.2190, 38.6944



35.8403, 38.2190, 38.6976



35.8428, 38.2190, 44.6769



36.8161, 38.2190, 44.6734

Sweetspot

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



36.8147, 38.2207, 38.6952



69.8349, 73.2013, 78.0976



36.5597, 36.7029, 41.7172



15.1923, 15.9279, 17.0130



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.8147, 38.2207, 38.6952



66.0892, 68.4483, 68.4068



37.9219, 40.4352, 39.0643



8.2693, 8.5434, 8.4266



14.4230, 10.0515, 1.1800



0.4561, 0.3893, 0.0511

Inverse Universe

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



35.7623, 38.0891, 44.4974



63.8781, 68.1717, 80.5975



34.6890, 35.9424, 44.1396



7.9522, 8.5038, 10.1750



9.0085, 9.1509, 30.3360



0.3030, 0.3594, 0.8614

Previews

White Background



This preview shows how the XYZ color 36.8136, 38.2190, 38.6944 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 36.8136, 38.2190, 38.6944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

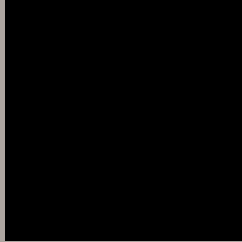
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

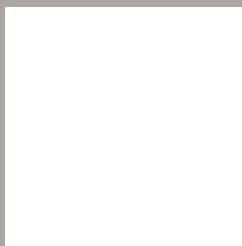
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8136, 38.2190, 38.6944

Background



This preview shows how black text looks on a background with the XYZ color 36.8136, 38.2190, 38.6944.



This preview shows how white text looks on a background with the XYZ color 36.8136, 38.2190,

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

36.8136, 38.2190, 38.6944

Protanopia

36.5949, 38.1063, 38.6842

Deuteranopia

38.9451, 38.2533, 39.0492



Tritanopia

38.2906, 38.2882, 45.9297

Trichromacy



Original Color

36.8136, 38.2190, 38.6944

Protanomaly

36.5949, 38.1063, 38.6842

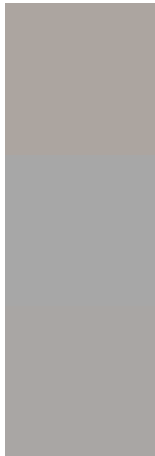
Deuteranomaly

38.1757, 38.1172, 39.0635

Tritanomaly

37.7647, 38.3374, 43.4397

Monochromacy



Original Color

36.8136, 38.2190, 38.6944

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.6992, 38.3878, 40.5973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8136, 38.2190, 38.6944 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(172, 165, 160)` looks like.

```
.text, #text, p{  
    color:rgb(172, 165, 160)  
}
```

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(172, 165, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 165, 160) }
```

Border

The CSS property to change the border of an element to XYZ 36.8136, 38.2190, 38.6944 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(172, 165, 160) }
```


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

```
.border{ border-color:rgb(172, 165, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 165, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 165, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 165, 160);  
box-shadow:4px 4px 4px 4px rgb(172, 165,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8136, 38.2190, 38.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 165, 160) }
```

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

```
.background{ background-color: rgb(172,  
165, 160) }
```

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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