

Converting Colors

XYZ(36.7773, 38.0202, 39.5359)

Have a look what the booklet for
XYZ(36.7773, 38.0202, 39.5359)
contains.

XYZ(36.8103, 37.9302, 39.5636)	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(36.8103, 37.9302,
39.5636)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA4A2
RGB	172, 164, 162
RGB Percent	67%, 64%, 64%
CMY	0.3255, 0.3568, 0.3647
CMYK	0.00, 0.05, 0.06, 0.33
HSL	12°, 6%, 65%
HSV	12°, 6%, 67%
XYZ	36.8103, 37.9302, 39.5636
YIQ	166.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

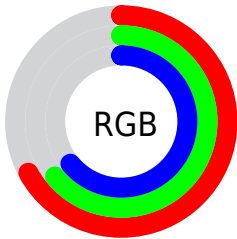
Format	Color
RYB	172, 165, 162
Decimal	11314338
CIELab	67.97, 2.52, 2.06
CIELCh	68, 3.255, 39.213
Yxy	37.9302, 0.3220, 0.3318
Android (android.graphics.Color)	4289504418 (0xFFACA4A2)
YUV	166.1640, -2.0529, 5.1182
Hunter-Lab	61.5875, -1.0903, 5.0236

Details

The XYZ color **36.8103, 37.9302, 39.5636** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7214, 39.4088, 44.7014**, and the grayscale version is **36.3335, 38.2256, 41.6277**.

A 20% lighter version of the original color is **69.5345, 72.0037, 75.8789**, and **16.3544, 16.7072, 17.1147** is the 20% darker color. If you saturate the color by 10%, you get **33.0551, 32.7013, 31.2775**, and if you desaturate by 10%, it is **41.0430, 43.7786, 49.0416**.

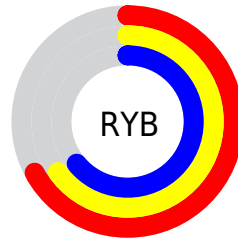
Distribution



Red (67%)

Green (64%)

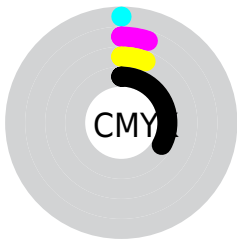
Blue (64%)



Red (67%)

Yellow (65%)

Blue (64%)

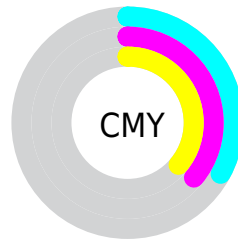


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8103, 37.9302, 39.5636 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 36.8103, 37.9302, 39.5636 by changing the saturation by 10% instead.

■ 36.8103, 37.9302,
39.5636

■ 36.8103, 37.9302,
39.5636

323.8583,
337.3205, 359.7780

■ 25.2336, 25.9285,
26.8873

■ 69.5967, 72.0011,
75.7283

■ 16.3809, 16.7702,
17.2569

■ 91.5371, 94.8392,
100.0538

■ 9.8866, 10.0708,
10.2539

117.6628,
122.0582, 129.0994

■ 5.3855, 5.4459,
5.4598

148.3392,
154.0424, 163.2836

■ 2.5123, 2.5112,
2.4561

183.9315,
191.1764, 203.0251

■ 0.9014, 0.8822,
0.8168

224.8053,

■ 0.0000, 0.0000,

233.8445, 248.7422

0.0000

271.3258,
282.4310, 300.8537

■ 36.8103, 37.9302,
39.5636

■ 36.8103, 37.9302,
39.5636

■ 33.0551, 32.7013,
31.2775

■ 41.0430, 43.7786,
49.0416

■ 29.7575, 28.0667,
24.1337

■ 45.7661, 50.2608,
59.7536

■ 26.9005, 24.0066,
18.0825

■ 50.9959, 57.3969,
71.7428

■ 24.4651, 20.4986,
13.0698

■ 56.7470, 65.2046,
85.0493

■ 22.4309, 17.5184,
9.0368

■ 63.0333, 73.7009,
99.7118

■ 20.7755, 15.0401,
5.9187

■ 68.1818, 82.2275,
106.8857

■ 19.4745, 13.0355,
3.6429

■ 70.8235, 87.5108,
107.7662

■ 18.5001, 11.4734,
2.1257

■ 17.8188, 10.3183,
1.2592

Harmonies

Analogous

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



37.0200, 37.9302, 40.8552



36.8103, 37.9302, 39.5636



36.3978, 37.9302, 38.7499

Triad

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



36.8103, 37.9302, 39.5636



35.1499, 37.9302, 40.3189



36.2074, 37.9302, 44.1103

Complementary

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



36.8103, 37.9302, 39.5636



36.7214, 39.4088, 44.7014

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.



35.7075, 37.9302, 43.9586



36.8103, 37.9302, 39.5636



35.1000, 37.9302, 41.7471

Square

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



36.8103, 37.9302, 39.5636



35.4402, 37.9302, 39.1789



35.3032, 37.9302, 43.0855



36.6699, 37.9302, 43.4954

Rectangle

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



36.8103, 37.9302, 39.5636



36.0649, 37.9302, 38.5767



35.3032, 37.9302, 43.0855



36.0382, 37.9302, 44.1476

Sweetspot

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



36.8114, 37.9319, 39.5644



69.5778, 72.6871, 78.0119



37.1898, 37.5142, 43.3115



15.1394, 15.8223, 16.9954



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.



36.8114, 37.9319, 39.5644



65.8382, 67.5056, 69.6817



37.7233, 39.7557, 39.8684



8.2956, 8.4952, 8.7463



13.1283, 7.4622, 0.7484



0.4021, 0.2814, 0.0331

Inverse Universe

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



36.7214, 39.4088, 44.7014



65.6398, 70.7610, 81.0044



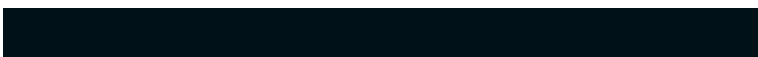
35.8024, 37.5708, 44.3951



8.2695, 8.9245, 10.2394



12.2958, 15.7254, 31.4318



0.3762, 0.5058, 0.8858

Previews

White Background



This preview shows how the XYZ color 36.8103, 37.9302, 39.5636 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 36.8103, 37.9302, 39.5636 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

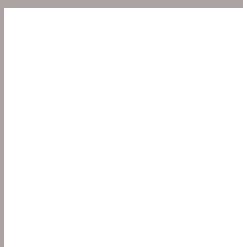
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8103, 37.9302, 39.5636

Background



This preview shows how black text looks on a background with the XYZ color 36.8103, 37.9302, 39.5636.



This preview shows how white text looks on a background with the XYZ color 36.8103, 37.9302,

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

36.8103, 37.9302, 39.5636

Protanopia

36.3389, 37.9539, 39.5930

Deuteranopia

38.7101, 37.8532, 39.9165



Tritanopia

38.1138, 37.9345, 45.8707

Trichromacy



Original Color

36.8103, 37.9302, 39.5636

Protanomaly

36.5543, 38.0649, 39.6031

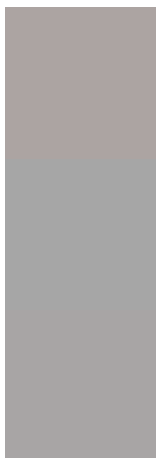
Deuteranomaly

37.9461, 37.7178, 39.9306

Tritanomaly

37.5865, 37.9809, 43.3802

Monochromacy



Original Color

36.8103, 37.9302, 39.5636

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3951, 37.9517, 41.0045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8103, 37.9302, 39.5636 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, 164, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 164, 162)  
}
```

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, 164, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 164, 162) }
```

Border

The CSS property to change the border of an element to XYZ 36.8103, 37.9302, 39.5636 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, 164, 162) }
```


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

```
.border{ border-color:rgb(172, 164, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 164, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 164, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 164, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 164,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8103, 37.9302, 39.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 164, 162) }
```

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

```
.background{ background-color: rgb(172,  
164, 162) }
```

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