

Converting Colors

XYZ(34.4471, 37.9314, 38.3643)

Have a look what the booklet for
XYZ(34.4471, 37.9314, 38.3643)
contains.

XYZ(34.3612, 37.7776, 38.2817)	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(34.3612, 37.7776,
38.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA89F
RGB	158, 168, 159
RGB Percent	62%, 66%, 62%
CMY	0.3804, 0.3412, 0.3765
CMYK	0.06, 0.00, 0.05, 0.34
HSL	126°, 5%, 64%
HSV	126°, 6%, 66%
XYZ	34.3612, 37.7776, 38.2817
YIQ	163.9840, -3.0710, -4.9190

Conversions

Conversions Part 2

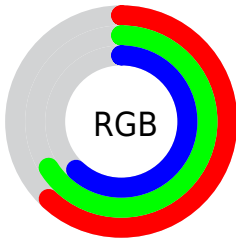
Format	Color
RYB	158, 167, 168
Decimal	10397855
CIELab	67.86, -5.26, 3.42
CIELCh	68, 6.276, 146.964
Yxy	37.7776, 0.3112, 0.3421
Android (android.graphics.Color)	4288587935 (0xFF9EA89F)
YUV	163.9840, -2.4571, -5.2480
Hunter-Lab	61.4635, -7.7706, 6.0965

Details

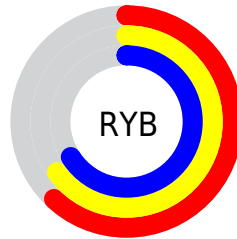
The XYZ color **34.3612, 37.7776, 38.2817** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.3517, 35.5695, 41.5634**, and the grayscale version is **35.2923, 37.1302, 40.4348**.

A 20% lighter version of the original color is **65.9658, 71.7765, 73.9958**, and **15.0156, 16.6993, 16.6192** is the 20% darker color. If you saturate the color by 10%, you get **30.0470, 35.6971, 31.6445**, and if you desaturate by 10%, it is **39.2899, 40.1585, 45.7872**.

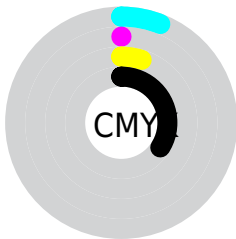
Distribution



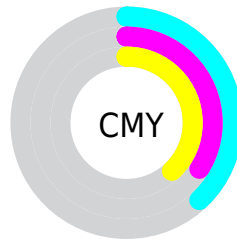
- Red (62%)
- Green (66%)
- Blue (62%)



- Red (62%)
- Yellow (65%)
- Blue (66%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)



- Cyan (38%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3612, 37.7776, 38.2817 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 34.3612, 37.7776, 38.2817 by changing the saturation by 10% instead.

■ 34.3612, 37.7776,
38.2817

■ 34.3612, 37.7776,
38.2817

313.2973,
336.6650, 354.1612

■ 23.3354, 25.8101,
25.8979

■ 65.8355, 71.7671,
73.7479

■ 14.9634, 16.6816,
16.5222

■ 87.0148, 94.5580,
97.6674

■ 8.8799, 10.0078,
9.7361

112.3093,
121.7254, 126.2691

■ 4.7194, 5.4041,
5.1210

142.0843,
153.6538, 159.9717

■ 2.1166, 2.4863,
2.2585

176.7053,
190.7275, 199.1937

■ 0.6982, 0.8697,
0.7078

216.5375,

■ 0.0000, 0.0000,

233.3311, 244.3536

0.0000

261.9464,
281.8487, 295.8699

■ 34.3612, 37.7776,
38.2817

■ 34.3612, 37.7776,
38.2817

■ 30.0470, 35.6971,
31.6445

■ 39.2899, 40.1585,
45.7872

■ 26.3201, 33.9004,
25.8418

■ 44.8525, 42.8460,
54.1881

■ 23.1560, 32.3766,
20.8413

■ 51.0717, 45.8521,
63.5134

■ 20.5273, 31.1124,
16.6078

■ 57.9678, 49.1868,
73.7902

■ 18.4042, 30.0933,
13.1033

■ 65.5605, 52.8598,
85.0444

■ 16.7540, 29.3032,
10.2867

■ 72.4553, 56.1515,
97.2347

■ 15.5403, 28.7244,
8.1127

■ 73.2934, 56.4868,
101.6478

■ 14.7211, 28.3363,
6.5306

■ 14.2423, 28.1122,
5.4819

Harmonies

Analogous

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



35.0650, 37.7776, 36.5414



34.3612, 37.7776, 38.2817



34.0709, 37.7776, 40.8503

Triad

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



34.3612, 37.7776, 38.2817



35.8075, 37.7776, 46.7177



37.5995, 37.7776, 38.7520

Complementary

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



34.3612, 37.7776, 38.2817



35.3517, 35.5695, 41.5634

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.



37.8068, 37.7776, 41.4177



34.3612, 37.7776, 38.2817



36.7613, 37.7776, 46.0948

Square

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



34.3612, 37.7776, 38.2817



34.8964, 37.7776, 45.7894



37.4974, 37.7776, 44.1233



36.9358, 37.7776, 36.8042

Rectangle

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



34.3612, 37.7776, 38.2817



34.1470, 37.7776, 42.7162



37.4974, 37.7776, 44.1233



37.7253, 37.7776, 39.5902

Sweetspot

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



34.3623, 37.7792, 38.2825



65.7201, 70.1782, 74.6097



36.1122, 38.6913, 37.9131



14.3463, 15.3065, 16.2955



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



34.3623, 37.7792, 38.2825



61.3757, 68.0811, 67.9706



34.8052, 37.9564, 40.6152



7.6548, 8.5106, 8.4641



10.6590, 21.1823, 3.9710



0.2684, 0.5190, 0.1446

Inverse Universe

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



35.3517, 35.5695, 41.5634



63.5086, 63.3178, 75.0428



34.8981, 35.3881, 39.1747



7.9326, 7.8901, 9.3853



16.4359, 7.9831, 22.9047



0.4088, 0.1978, 0.6045

Previews

White Background



This preview shows how the XYZ color 34.3612, 37.7776, 38.2817 looks on a white background.

Color Contrast Check

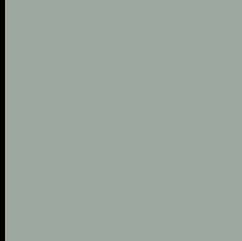
Large Text (above 18pt) WCAG AA × Fail

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 34.3612, 37.7776, 38.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

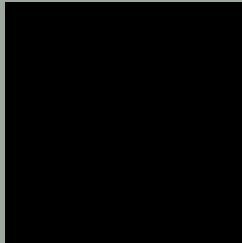
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

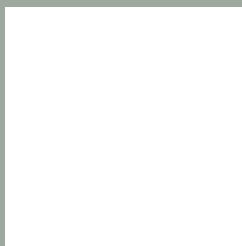
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3612, 37.7776, 38.2817

Background



This preview shows how black text looks on a background with the XYZ color 34.3612, 37.7776, 38.2817.



This preview shows how white text looks on a background with the XYZ color 34.3612, 37.7776,

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

34.3612, 37.7776, 38.2817

Protanopia

35.9388, 37.5313, 37.2484

Deuteranopia

38.5323, 37.7821, 38.9800



Tritanopia

36.1890, 37.7017, 47.4893

Trichromacy



Original Color

34.3612, 37.7776, 38.2817

Protanomaly

35.3526, 37.4859, 37.7200

Deuteranomaly

36.8979, 37.7311, 38.5958

Tritanomaly

35.4841, 37.6863, 43.9320

Monochromacy



Original Color

34.3612, 37.7776, 38.2817

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.8770, 37.2003, 39.5246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3612, 37.7776, 38.2817 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(158, 168, 159) looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 159)  
}
```

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(158, 168, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 159) }
```

Border

The CSS property to change the border of an element to XYZ 34.3612, 37.7776, 38.2817 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(158, 168, 159) }
```


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

```
.border{ border-color:rgb(158, 168, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 168, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 159);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3612, 37.7776, 38.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 159) }
```

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

```
.background{ background-color: rgb(158,  
168, 159) }
```

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