

Converting Colors

XYZ(34.1878, 37.7064, 37.3760)

Have a look what the booklet for
XYZ(34.1878, 37.7064, 37.3760)
contains.

XYZ(34.1890, 37.7087, 37.3748)	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(34.1890, 37.7087,
37.3748)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA89D
RGB	158, 168, 157
RGB Percent	62%, 66%, 62%
CMY	0.3804, 0.3412, 0.3843
CMYK	0.06, 0.00, 0.07, 0.34
HSL	115°, 6%, 64%
HSV	115°, 7%, 66%
XYZ	34.1890, 37.7087, 37.3748
YIQ	163.7560, -2.4290, -5.5410

Conversions

Conversions Part 2

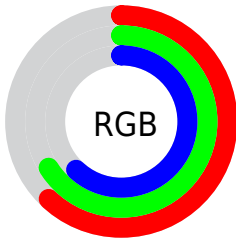
Format	Color
RYB	157, 168, 167
Decimal	10397853
CIELab	67.81, -5.64, 4.46
CIELCh	68, 7.187, 141.669
Yxy	37.7087, 0.3129, 0.3451
Android (android.graphics.Color)	4288587933 (0xFF9EA89D)
YUV	163.7560, -3.3307, -5.0480
Hunter-Lab	61.4074, -8.0819, 6.8991

Details

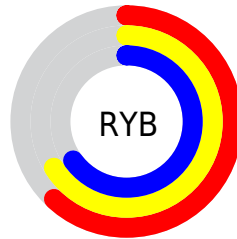
The XYZ color **34.1890, 37.7087, 37.3748** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0626, 35.1576, 41.9858**, and the grayscale version is **35.1877, 37.0202, 40.3150**.

A 20% lighter version of the original color is **65.7119, 71.6750, 72.6586**, and **14.9103, 16.6572, 16.0650** is the 20% darker color. If you saturate the color by 10%, you get **30.0324, 35.7215, 30.2007**, and if you desaturate by 10%, it is **38.9184, 39.9706, 45.6069**.

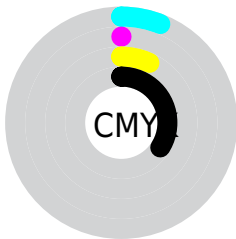
Distribution



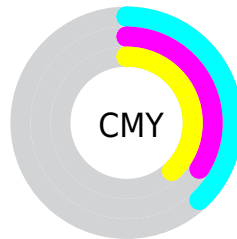
- Red (62%)
- Green (66%)
- Blue (62%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1890, 37.7087, 37.3748 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 34.1890, 37.7087, 37.3748 by changing the saturation by 10% instead.

■ 34.1890, 37.7087,
37.3748

■ 34.1890, 37.7087,
37.3748

312.5451,
336.3687, 350.1478

■ 23.2024, 25.7567,
25.1998

■ 65.5698, 71.6614,
72.3416

■ 14.8646, 16.6417,
16.0056

■ 86.6947, 94.4309,
95.9705

■ 8.8101, 9.9794,
9.3737

111.9298,
121.5751, 124.2543

■ 4.6736, 5.3853,
4.8856

141.6404,
153.4782, 157.6117

■ 2.0898, 2.4750,
2.1227

176.1919,
190.5247, 196.4613

■ 0.6837, 0.8641,
0.6292

215.9496,

■ 0.0000, 0.0000,

233.0991, 241.2214

0.0000

261.2789,
281.5856, 292.3107

■ 34.1890, 37.7087,
37.3748

■ 34.1890, 37.7087,
37.3748

■ 30.0324, 35.7215,
30.2007

■ 38.9184, 39.9706,
45.6069

■ 26.4238, 33.9938,
24.0393

■ 44.2379, 42.5120,
54.9349

■ 23.3413, 32.5165,
18.8459

■ 50.1681, 45.3436,
65.3978

■ 20.7602, 31.2778,
14.5712

■ 56.7275, 48.4744,
77.0319

■ 18.6538, 30.2652,
11.1618

■ 63.9339, 51.9127,
89.8720

■ 16.9931, 29.4650,
8.5586

■ 71.3497, 55.4847,
101.5568

■ 15.7458, 28.8619,
6.6953

■ 73.2934, 56.4867,
101.6478

■ 14.8751, 28.4387,
5.4949

■ 14.3347, 28.1739,
4.8491

Harmonies

Analogous

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



35.0569, 37.7087, 35.6241



34.1890, 37.7087, 37.3748



33.7658, 37.7087, 40.1771

Triad

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



34.1890, 37.7087, 37.3748



35.5319, 37.7087, 47.4233



37.8659, 37.7087, 38.8375

Complementary

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



34.1890, 37.7087, 37.3748



35.0626, 35.1576, 41.9858

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.



37.9995, 37.7087, 41.9524



34.1890, 37.7087, 37.3748



36.6367, 37.7087, 47.0190

Square

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



34.1890, 37.7087, 37.3748



34.5306, 37.7087, 46.0541



37.5454, 37.7087, 44.9763



37.1841, 37.7087, 36.4376

Rectangle

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



34.1890, 37.7087, 37.3748



33.7866, 37.7087, 42.3100



37.5454, 37.7087, 44.9763



37.9770, 37.7087, 39.8317

Sweetspot

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



34.1900, 37.7103, 37.3756



65.7808, 70.2160, 74.3181



36.0363, 38.3618, 37.4041



14.3588, 15.3143, 16.2355



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.



34.1900, 37.7103, 37.3756



60.7658, 67.8182, 65.6133



34.3768, 37.7624, 39.3815



7.4976, 8.4391, 8.0230



10.7468, 21.2374, 3.5328



0.2805, 0.5265, 0.0868

Inverse Universe

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



35.0626, 35.1576, 41.9858



62.7145, 62.1170, 75.9095



34.8715, 35.1056, 39.8724



7.7737, 7.6315, 9.4816



15.2421, 7.2410, 28.5698



0.3896, 0.1859, 0.6960

Previews

White Background



This preview shows how the XYZ color 34.1890, 37.7087, 37.3748 looks on a white background.

Color Contrast Check

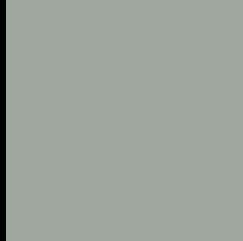
Large Text (above 18pt) WCAG AA × Fail

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 34.1890, 37.7087, 37.3748 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

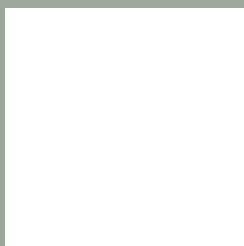
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1890, 37.7087, 37.3748

Background



This preview shows how black text looks on a background with the XYZ color 34.1890, 37.7087, 37.3748.



This preview shows how white text looks on a background with the XYZ color 34.1890, 37.7087,

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

34.1890, 37.7087, 37.3748

Protanopia

35.7694, 37.4635, 36.3563

Deuteranopia

38.1846, 37.3668, 38.0008



Tritanopia

36.1890, 37.7017, 47.4893

Trichromacy



Original Color

34.1890, 37.7087, 37.3748

Protanomaly

35.1818, 37.4176, 36.8205

Deuteranomaly

36.5474, 37.3080, 37.6226

Tritanomaly

35.3891, 37.6483, 43.4319

Monochromacy



Original Color

34.1890, 37.7087, 37.3748

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7884, 37.1649, 39.0582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1890, 37.7087, 37.3748 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 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(158, 168, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 157) }
```

Border

The CSS property to change the border of an element to XYZ 34.1890, 37.7087, 37.3748 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, 157) }
```


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

```
.border{ border-color:rgb(158, 168, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 157);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1890, 37.7087, 37.3748 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, 157) }
```

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

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