

Converting Colors

XYZ(33.6165, 34.1478, 37.1422)

Have a look what the booklet for
XYZ(33.6165, 34.1478, 37.1422)
contains.

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Color

**XYZ(33.7859, 34.3525,
37.1977)**

Conversions

Conversions Part 1

Format	Color
Hex	A69C9E
RGB	166, 156, 158
RGB Percent	65%, 61%, 62%
CMY	0.3490, 0.3882, 0.3804
CMYK	0.00, 0.06, 0.05, 0.35
HSL	348°, 5%, 63%
HSV	348°, 6%, 65%
XYZ	33.7859, 34.3525, 37.1977
YIQ	159.2180, 5.3180, 2.7420

Conversions

Conversions Part 2

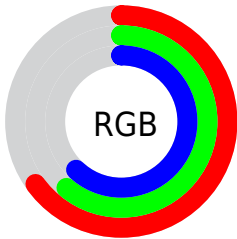
Format	Color
R_{YB}	166, 156, 158
Decimal	10919070
CIE Lab	65.24, 4.01, 0.26
CIE LCh	65, 4.019, 3.681
Yxy	34.3525, 0.3207, 0.3261
Android (android.graphics.Color)	4289109150 (0xFFA69C9E)
YUV	159.2180, -0.6005, 5.9478
Hunter-Lab	58.6110, 0.3258, 3.3991

Details

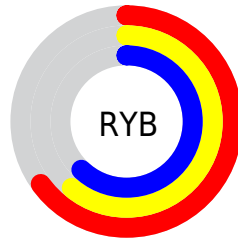
The XYZ color **33.7859, 34.3525, 37.1977** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0487, 37.0216, 40.4751**, and the grayscale version is **33.0561, 34.7776, 37.8728**.

A 20% lighter version of the original color is **64.8756, 66.2694, 72.3228**, and **14.6448, 14.7421, 15.9836** is the 20% darker color. If you saturate the color by 10%, you get **30.1063, 28.7251, 30.6316**, and if you desaturate by 10%, it is **37.9717, 40.7937, 44.5433**.

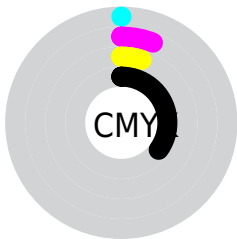
Distribution



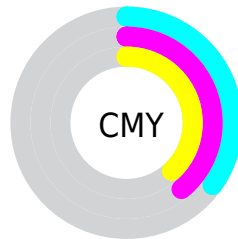
- Red (65%)
- Green (61%)
- Blue (62%)



- Red (65%)
- Yellow (61%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (5%)
- Black (35%)



- Cyan (35%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7859, 34.3525, 37.1977 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 33.7859, 34.3525, 37.1977 by changing the saturation by 10% instead.

■ 33.7859, 34.3525,
37.1977

■ 33.7859, 34.3525,
37.1977

310.7791,
321.7010, 349.3601

■ 22.8913, 23.1645,
25.0636

■ 64.9471, 66.4815,
72.0665

■ 14.6335, 14.7150,
15.9050

■ 85.9444, 88.1912,
95.6382

■ 8.6472, 8.6196,
9.3033

111.0399,
114.1771, 123.8596

■ 4.5671, 4.4939,
4.8401

140.5991,
144.8234, 157.1492

■ 2.0277, 1.9535,
2.0966

174.9872,
180.5145, 195.9255

■ 0.6494, 0.5803,
0.6138

214.5697,

■ 0.0000, 0.0000,

221.6349, 240.6070

0.0000

259.7119,
268.5689, 291.6124

■ 33.7859, 34.3525,
37.1977

■ 33.7859, 34.3525,
37.1977

■ 30.1063, 28.7251,
30.6316

■ 37.9717, 40.7937,
44.5433

■ 26.9109, 23.8748,
24.8170

■ 42.6791, 48.0748,
52.6905

■ 24.1801, 19.7687,
19.7275

■ 47.9264, 56.2259,
61.6637

■ 21.8918, 16.3699,
15.3343

■ 53.7299, 65.2747,
71.4852

■ 20.0224, 13.6380,
11.6067

■ 60.1055, 75.2473,
82.1766

■ 18.5458, 11.5290,
8.5117

■ 66.8753, 85.7828,
93.6943

■ 17.4328, 9.9933,
6.0132

■ 68.8968, 86.5914,
104.3395

■ 16.6503, 8.9735,
4.0715

■ 69.5361, 86.8471,
107.7060

■ 16.1549, 8.3933,
2.6403

Harmonies

Analogous

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



33.6692, 34.3525, 38.8499



33.7859, 34.3525, 37.1977



33.5956, 34.3525, 35.6466

Triad

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



33.7859, 34.3525, 37.1977



32.0315, 34.3525, 34.7881



32.1551, 34.3525, 40.3650

Complementary

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



33.7859, 34.3525, 37.1977



34.0487, 37.0216, 40.4751

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.



31.7244, 34.3525, 39.2182



33.7859, 34.3525, 37.1977



31.6536, 34.3525, 35.9945

Square

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



33.7859, 34.3525, 37.1977



32.5789, 34.3525, 34.2819



31.5418, 34.3525, 37.6111



32.7233, 34.3525, 40.7102

Rectangle

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



33.7859, 34.3525, 37.1977



33.3215, 34.3525, 34.8692



31.5418, 34.3525, 37.6111



31.9896, 34.3525, 40.0589

Sweetspot

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



33.7869, 34.3540, 37.1984



64.2343, 66.8265, 72.6513



34.0823, 34.4241, 40.9251



14.3936, 14.9840, 16.2917



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.



33.7869, 34.3540, 37.1984



60.5348, 61.1454, 66.1219



34.1258, 35.3049, 36.4701



7.7555, 7.8193, 8.4525



12.4232, 6.3780, 1.7744



0.3190, 0.1619, 0.1315

Inverse Universe

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



33.7869, 34.3540, 37.1984



60.5348, 61.1454, 66.1219



33.6916, 36.0166, 41.2531



7.7555, 7.8193, 8.4525



12.4232, 6.3780, 1.7744



0.3190, 0.1619, 0.1315

Previews

White Background



This preview shows how the XYZ color 33.7859, 34.3525, 37.1977 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 33.7859, 34.3525, 37.1977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

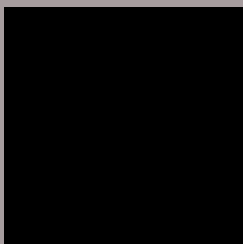
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

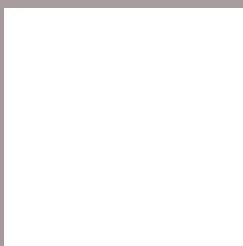
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7859, 34.3525, 37.1977

Background



This preview shows how black text looks on a background with the XYZ color 33.7859, 34.3525, 37.1977.

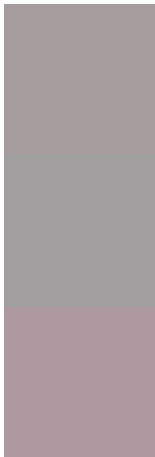


This preview shows how white text looks on a background with the XYZ color 33.7859, 34.3525,

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

33.7859, 34.3525, 37.1977

Protanopia

33.1828, 34.5340, 37.7177

Deuteranopia

34.8828, 34.1699, 37.5578



Tritanopia

34.6327, 34.4482, 41.3830

Trichromacy



Original Color

33.7859, 34.3525, 37.1977

Protanomaly

33.4192, 34.4037, 37.6801

Deuteranomaly

34.3912, 34.1605, 37.5819

Tritanomaly

34.3585, 34.3385, 39.9391

Monochromacy



Original Color

33.7859, 34.3525, 37.1977

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.3852, 34.6383, 37.7272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7859, 34.3525, 37.1977 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(166, 156, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 156, 158)  
}
```

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(166, 156, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 156, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.7859, 34.3525, 37.1977 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(166, 156, 158) }
```


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

```
.border{ border-color:rgb(166, 156, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 156, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 156, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 156, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 156,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7859, 34.3525, 37.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 156, 158) }
```

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

```
.background{ background-color: rgb(166,  
156, 158) }
```

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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