

Converting Colors

XYZ(33.3486, 34.9242, 36.8832)

Have a look what the booklet for
XYZ(33.3486, 34.9242, 36.8832)
contains.

XYZ(33.3842, 34.9120, 36.8774)	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(33.3842, 34.9120,
36.8774)**

Conversions

Conversions Part 1

Format	Color
Hex	A29F9D
RGB	162, 159, 157
RGB Percent	64%, 62%, 62%
CMY	0.3647, 0.3765, 0.3843
CMYK	0.00, 0.02, 0.03, 0.36
HSL	24°, 3%, 63%
HSV	24°, 3%, 64%
XYZ	33.3842, 34.9120, 36.8774
YIQ	159.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

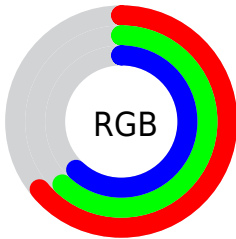
Format	Color
RYB	162, 160, 157
Decimal	10657693
CIELab	65.68, 0.71, 1.42
CIELCh	66, 1.585, 63.358
Yxy	34.9120, 0.3174, 0.3319
Android (android.graphics.Color)	4288847773 (0xFFA29F9D)
YUV	159.6690, -1.3158, 2.0443
Hunter-Lab	59.0864, -2.5475, 4.3560

Details

The XYZ color **33.3842, 34.9120, 36.8774** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9969, 34.9177, 39.1834**, and the grayscale version is **33.2672, 34.9997, 38.1146**.

A 20% lighter version of the original color is **64.5455, 67.5983, 71.9332**, and **14.3945, 15.0807, 15.7879** is the 20% darker color. If you saturate the color by 10%, you get **30.4875, 31.1868, 29.5345**, and if you desaturate by 10%, it is **36.5975, 38.9759, 45.2315**.

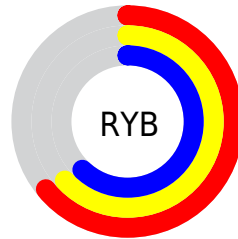
Distribution



Red (64%)

Green (62%)

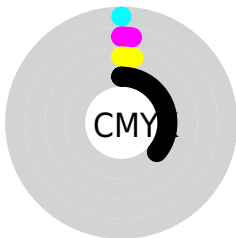
Blue (62%)



Red (64%)

Yellow (63%)

Blue (62%)

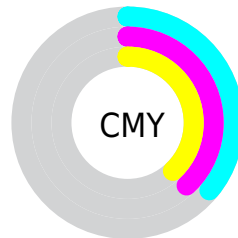


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3842, 34.9120, 36.8774 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 33.3842, 34.9120, 36.8774 by changing the saturation by 10% instead.

■ 33.3842, 34.9120,
36.8774

■ 33.3842, 34.9120,
36.8774

309.0119,
324.1797, 347.9321

■ 22.5816, 23.5951,
24.8175

■ 64.3256, 67.3494,
71.5684

■ 14.4038, 15.0335,
15.7234

■ 85.1950, 89.2387,
95.0366

■ 8.4857, 8.8429,
9.1764

110.1508,
115.4210, 123.1447

■ 4.4616, 4.6389,
4.7580

139.5582,
146.2805, 156.3112

■ 1.9665, 2.0370,
2.0498

173.7827,
182.2018, 194.9547

■ 0.6150, 0.6288,
0.5856

213.1896,

■ 0.0000, 0.0000,

223.5691, 239.4936

0.0000

258.1442,
270.7670, 290.3466

■ 33.3842, 34.9120,
36.8774

■ 33.3842, 34.9120,
36.8774

■ 30.4875, 31.1868,
29.5345

■ 36.5975, 38.9759,
45.2315

■ 27.8942, 27.7870,
23.1619

■ 40.1342, 43.3826,
54.6312

■ 25.5946, 24.7048,
17.7190

■ 44.0043, 48.1417,
65.1119

■ 23.5774, 21.9304,
13.1616

■ 48.2168, 53.2611,
76.7069

■ 21.8302, 19.4537,
9.4420

■ 52.7802, 58.7485,
89.4478

■ 20.3398, 17.2637,
6.5076

■ 57.7026, 64.6112,
103.3652

■ 19.0918, 15.3487,
4.3000

■ 60.4119, 69.8243,
104.9011

■ 18.0697, 13.6960,
2.7526

■ 63.1425, 75.2856,
105.8114

■ 17.2547, 12.2914,
1.7858

■ 66.0254, 81.0513,
106.7723

Harmonies

Analogous

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



33.5586, 34.9120, 37.3118



33.3842, 34.9120, 36.8774



33.1566, 34.9120, 36.7462

Triad

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



33.3842, 34.9120, 36.8774



32.7374, 34.9120, 38.0885



33.4299, 34.9120, 39.0955

Complementary

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



33.3842, 34.9120, 36.8774



32.9969, 34.9177, 39.1834

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.



33.2091, 34.9120, 39.3091



33.3842, 34.9120, 36.8774



32.8098, 34.9120, 38.7234

Square

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



33.3842, 34.9120, 36.8774



32.7838, 34.9120, 37.4405



32.9822, 34.9120, 39.1722



33.5850, 34.9120, 38.5918

Rectangle

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



33.3842, 34.9120, 36.8774



33.0054, 34.9120, 36.8469



32.9822, 34.9120, 39.1722



33.3608, 34.9120, 39.2039

Sweetspot

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



33.3852, 34.9135, 36.8782



61.7663, 64.8568, 69.9317



33.3028, 34.3339, 38.1300



13.8798, 14.5760, 15.7255



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.3852, 34.9135, 36.8782



60.0622, 62.6860, 65.5489



33.8189, 35.7809, 37.0227



7.6101, 7.9335, 8.2480



13.2637, 9.1012, 1.0576



0.3243, 0.2824, 0.0374

Inverse Universe

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



32.9969, 34.9177, 39.1834



59.1372, 62.6959, 71.0408



32.5684, 34.0607, 39.0406



7.4766, 7.9349, 9.0406



8.5556, 8.8905, 28.1949



0.2242, 0.2757, 0.6072

Previews

White Background



This preview shows how the XYZ color 33.3842, 34.9120, 36.8774 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 33.3842, 34.9120, 36.8774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

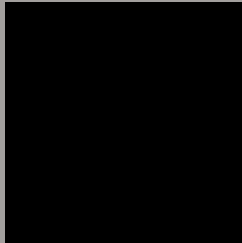
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

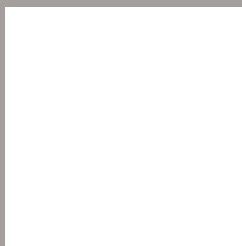
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3842, 34.9120, 36.8774

Background



This preview shows how black text looks on a background with the XYZ color 33.3842, 34.9120, 36.8774.



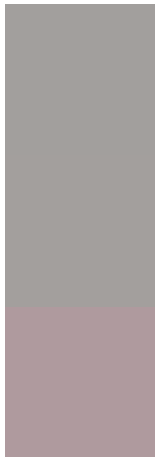
This preview shows how white text looks on a background with the XYZ color 33.3842, 34.9120,

36.8774.

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

33.3842, 34.9120, 36.8774

Protanopia

33.5882, 35.0171, 36.8870

Deuteranopia

35.4064, 34.6938, 37.1782



Tritanopia

34.5282, 34.8710, 42.4471

Trichromacy



Original Color

33.3842, 34.9120, 36.8774

Protanomaly

33.5882, 35.0171, 36.8870

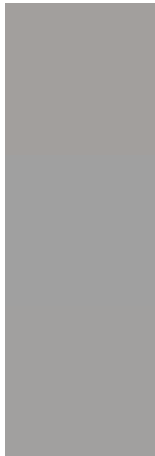
Deuteranomaly

34.6376, 34.7916, 37.2376

Tritanomaly

34.1226, 34.9569, 40.5462

Monochromacy



Original Color

33.3842, 34.9120, 36.8774

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.5268, 35.2219, 37.8323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3842, 34.9120, 36.8774 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(162, 159, 157)` looks like.

```
.text, #text, p{  
    color:rgb(162, 159, 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(162, 159, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 159, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.3842, 34.9120, 36.8774 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(162, 159, 157) }
```


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

```
.border{ border-color:rgb(162, 159, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 159, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 159, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 159, 157);  
box-shadow:4px 4px 4px 4px rgb(162, 159,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3842, 34.9120, 36.8774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 159, 157) }
```

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

```
.background{ background-color: rgb(162,  
159, 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