

Converting Colors

XYZ(31.9358, 33.1802, 35.7316)

Have a look what the booklet for
XYZ(31.9358, 33.1802, 35.7316)
contains.

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Color

**XYZ(31.9358, 33.1802,
35.7316)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9B9B
RGB	159, 155, 155
RGB Percent	62%, 61%, 61%
CMY	0.3765, 0.3921, 0.3922
CMYK	0.00, 0.03, 0.03, 0.38
HSL	0°, 2%, 62%
HSV	0°, 3%, 62%
XYZ	31.9358, 33.1802, 35.7316
YIQ	156.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

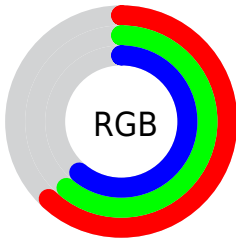
Format	Color
RYB	159, 155, 155
Decimal	10460059
CIELab	64.31, 1.45, 0.51
CIELCh	64, 1.540, 19.253
Yxy	33.1802, 0.3167, 0.3290
Android (android.graphics.Color)	4288650139 (0xFF9F9B9B)
YUV	156.1960, -0.5896, 2.4591
Hunter-Lab	57.6023, -1.8401, 3.5430

Details

The XYZ color **31.9358, 33.1802, 35.7316** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1737, 34.2675, 37.7198**, and the grayscale version is **31.6900, 33.3404, 36.3077**.

A 20% lighter version of the original color is **62.0406, 64.5005, 69.5016**, and **13.6333, 14.0883, 15.0975** is the 20% darker color. If you saturate the color by 10%, you get **28.2151, 27.7367, 28.3315**, and if you desaturate by 10%, it is **36.1822, 39.3929, 44.1753**.

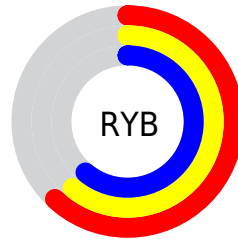
Distribution



Red (62%)

Green (61%)

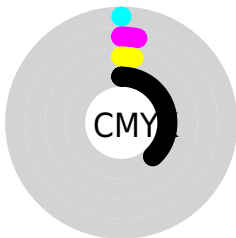
Blue (61%)



Red (62%)

Yellow (61%)

Blue (61%)

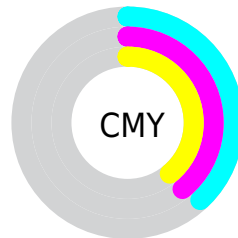


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9358, 33.1802, 35.7316 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 31.9358, 33.1802, 35.7316 by changing the saturation by 10% instead.

■ 31.9358, 33.1802,
35.7316

■ 31.9358, 33.1802,
35.7316

302.5772,
316.4609, 342.7878

■ 21.4678, 22.2645,
23.9389

■ 62.0763, 64.6568,
69.7820

■ 13.5808, 14.0514,
15.0765

■ 82.4795, 85.9864,
92.8767

■ 7.9094, 8.1564,
8.7259

106.9251,
111.5562, 120.5760

■ 4.0884, 4.1952,
4.4685

135.7785,
141.7506, 153.2982

■ 1.7522, 1.7833,
1.8857

169.4051,
176.9538, 191.4619

■ 0.4886, 0.4768,
0.4836

208.1701,

■ 0.0000, 0.0000,

217.5503, 235.4858

0.0000

252.4391,
263.9246, 285.7882

■ 31.9358, 33.1802,
35.7316

■ 31.9358, 33.1802,
35.7316

■ 28.2151, 27.7367,
28.3315

■ 36.1822, 39.3929,
44.1753

■ 24.9971, 23.0283,
21.9324

■ 40.9706, 46.3984,
53.6987

■ 22.2609, 19.0248,
16.4920

■ 46.3204, 54.2250,
64.3387

■ 19.9835, 15.6924,
11.9641

■ 52.2487, 62.8979,
76.1298

■ 18.1397, 12.9944,
8.2989

■ 58.7722, 72.4415,
89.1052

■ 16.7020, 10.8904,
5.4416

■ 65.9070, 82.8791,
103.2966

■ 15.6398, 9.3358,
3.3312

■ 68.1082, 86.1110,
107.6391

■ 14.9182, 8.2794,
1.8979

■ 14.4955, 7.6604,
1.0592

Harmonies

Analogous

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



31.9521, 33.1802, 36.3528



31.9358, 33.1802, 35.7316



31.8123, 33.1802, 35.2221

Triad

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



31.9358, 33.1802, 35.7316



31.2190, 33.1802, 35.3465



31.4584, 33.1802, 37.3248

Complementary

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



31.9358, 33.1802, 35.7316



32.1737, 34.2675, 37.7198

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.



31.2629, 33.1802, 37.0485



31.9358, 33.1802, 35.7316



31.1251, 33.1802, 35.9033

Square

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



31.9358, 33.1802, 35.7316



31.3982, 33.1802, 35.0015



31.1411, 33.1802, 36.5265



31.6758, 33.1802, 37.2776

Rectangle

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



31.9358, 33.1802, 35.7316



31.6861, 33.1802, 35.0121



31.1411, 33.1802, 36.5265



31.3879, 33.1802, 37.2666

Sweetspot

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



31.9367, 33.1816, 35.7323



58.2724, 61.0007, 66.1349



32.2778, 33.3173, 37.5309



13.1472, 13.7668, 14.9295



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.9367, 33.1816, 35.7323



56.8105, 58.8619, 63.2277



32.2719, 33.8519, 35.8440



7.1061, 7.3384, 7.8590



11.2942, 5.8240, 0.5289



0.2020, 0.1043, 0.0095

Inverse Universe

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



32.1737, 34.2675, 37.7198



57.3244, 61.2169, 67.5382



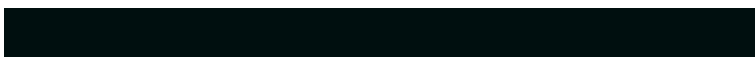
31.8330, 33.5862, 37.6062



7.1841, 7.6960, 8.5135



14.7201, 21.5317, 29.2874



0.2633, 0.3852, 0.5237

Previews

White Background



This preview shows how the XYZ color 31.9358, 33.1802, 35.7316 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 31.9358, 33.1802, 35.7316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

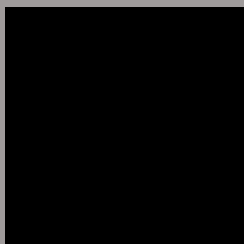
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

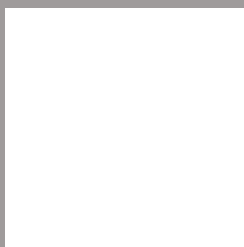
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9358, 33.1802, 35.7316

Background



This preview shows how black text looks on a background with the XYZ color 31.9358, 33.1802, 35.7316.



This preview shows how white text looks on a background with the XYZ color 31.9358, 33.1802,

35.7316.

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

31.9358, 33.1802, 35.7316

Protanopia

31.9358, 33.1802, 35.7316

Deuteranopia

33.8619, 33.1914, 36.0744



Tritanopia

32.8807, 33.0761, 40.2486

Trichromacy



Original Color

31.9358, 33.1802, 35.7316

Protanomaly

31.9358, 33.1802, 35.7316

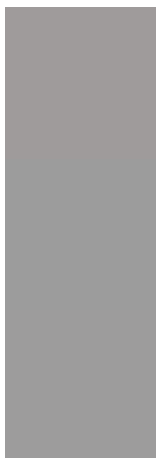
Deuteranomaly

33.1653, 33.0723, 36.0881

Tritanomaly

32.4858, 33.1580, 38.4062

Monochromacy



Original Color

31.9358, 33.1802, 35.7316

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7938, 33.3453, 36.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9358, 33.1802, 35.7316 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(159, 155, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 155, 155)  
}
```

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(159, 155, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 155, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.9358, 33.1802, 35.7316 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(159, 155, 155) }
```


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

```
.border{ border-color:rgb(159, 155, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 155, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 155, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 155, 155);  
box-shadow:4px 4px 4px 4px rgb(159, 155,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9358, 33.1802, 35.7316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 155, 155) }
```

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

```
.background{ background-color: rgb(159,  
155, 155) }
```

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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