

Converting Colors

XYZ(31.1555, 32.9109, 35.7762)

Have a look what the booklet for
XYZ(31.1555, 32.9109, 35.7762)
contains.

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Color

**XYZ(31.1313, 33.0135,
35.7418)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9C9B
RGB	154, 156, 155
RGB Percent	60%, 61%, 61%
CMY	0.3961, 0.3882, 0.3922
CMYK	0.01, 0.00, 0.01, 0.39
HSL	150°, 1%, 61%
HSV	150°, 1%, 61%
XYZ	31.1313, 33.0135, 35.7418
YIQ	155.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

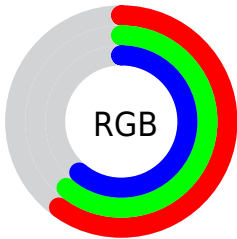
Format	Color
RYB	154, 155, 156
Decimal	10132635
CIELab	64.17, -0.91, 0.26
CIElCh	64, 0.946, 163.905
Yxy	33.0135, 0.3117, 0.3305
Android (android.graphics.Color)	4288322715 (0xFF9A9C9B)
YUV	155.2880, -0.1420, -1.1296
Hunter-Lab	57.4574, -3.8363, 3.3384

Details

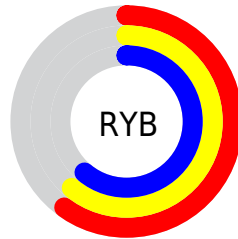
The XYZ color **31.1313, 33.0135, 35.7418** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1835, 32.5466, 35.6506**, and the grayscale version is **31.2849, 32.9142, 35.8436**.

A 20% lighter version of the original color is **60.5676, 64.1065, 69.5031**, and **13.1438, 13.9862, 15.1036** is the 20% darker color. If you saturate the color by 10%, you get **27.7182, 31.3283, 32.2684**, and if you desaturate by 10%, it is **34.9746, 34.9175, 39.4582**.

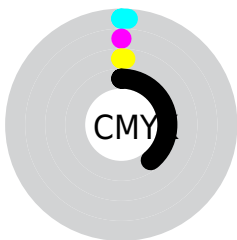
Distribution



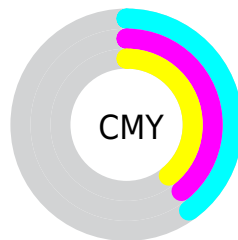
- Red (60%)
- Green (61%)
- Blue (61%)



- Red (60%)
- Yellow (61%)
- Blue (61%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1313, 33.0135, 35.7418 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 31.1313, 33.0135, 35.7418 by changing the saturation by 10% instead.

■ 31.1313, 33.0135,
35.7418

■ 31.1313, 33.0135,
35.7418

298.9588,
315.7106, 342.8338

■ 20.8512, 22.1368,
23.9467

■ 60.8212, 64.3966,
69.7979

■ 13.1271, 13.9574,
15.0823

■ 80.9616, 85.6718,
92.8960

■ 7.5937, 8.0911,
8.7299

105.1195,
111.1819, 120.5989

■ 3.8857, 4.1533,
4.4710

133.6603,
141.3114, 153.3251

■ 1.6377, 1.7597,
1.8871

166.9493,
176.4446, 191.4932

■ 0.4168, 0.4618,
0.4845

205.3518,

■ 0.0000, 0.0000,

216.9659, 235.5216

0.0000

249.2332,
263.2598, 285.8290

■ 31.1313, 33.0135,
35.7418

■ 31.1313, 33.0135,
35.7418

■ 27.7182, 31.3283,
32.2684

■ 34.9746, 34.9175,
39.4582

■ 24.7170, 29.8496,
29.0309

■ 39.2601, 37.0435,
43.4203

■ 22.1121, 28.5706,
26.0251

■ 44.0027, 39.4001,
47.6332

■ 19.8857, 27.4821,
23.2456

■ 49.2159, 41.9940,
52.1015

■ 18.0190, 26.5744,
20.6872

■ 54.9124, 44.8319,
56.8294

■ 16.4909, 25.8370,
18.3440

■ 61.1045, 47.9200,
61.8214

■ 15.2786, 25.2580,
16.2101

■ 64.7213, 49.6751,
66.9370

■ 14.3559, 24.8241,
14.2792

■ 65.7166, 50.0732,
72.1778

■ 13.6921, 24.5196,
12.5447

■ 66.7599, 50.4905,
77.6721

Harmonies

Analogous

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



31.1999, 33.0135, 35.4168



31.1313, 33.0135, 35.7418



31.1288, 33.0135, 36.1238

Triad

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



31.1313, 33.0135, 35.7418



31.4403, 33.0135, 36.6675



31.5644, 33.0135, 35.4365

Complementary

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



31.1313, 33.0135, 35.7418



31.1835, 32.5466, 35.6506

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.



31.6292, 33.0135, 35.7690



31.1313, 33.0135, 35.7418



31.5575, 33.0135, 36.4807

Square

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



31.1313, 33.0135, 35.7418



31.3069, 33.0135, 36.6601



31.6267, 33.0135, 36.1512



31.4499, 33.0135, 35.2414

Rectangle

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



31.1313, 33.0135, 35.7418



31.1649, 33.0135, 36.3595



31.6267, 33.0135, 36.1512



31.5928, 33.0135, 35.5358

Sweetspot

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



31.1322, 33.0149, 35.7425



57.3938, 60.3827, 65.7568



31.2464, 33.0834, 35.3113



12.6291, 13.2868, 14.4694



74.8435, 78.7412, 85.7492

Same Dimension

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



31.1322, 33.0149, 35.7425



56.0465, 59.7163, 64.4231



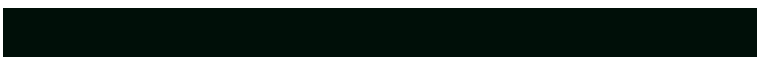
31.2140, 33.0476, 36.1730



7.2826, 7.7503, 8.3685



10.9397, 20.0438, 9.3052



0.2169, 0.3669, 0.2788

Inverse Universe

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



31.1835, 32.5466, 35.6506



56.1938, 58.3714, 64.1590



31.1024, 32.5141, 35.2235



7.2999, 7.5918, 8.3374



12.4463, 6.2831, 6.6014



0.2439, 0.1209, 0.2304

Previews

White Background



This preview shows how the XYZ color 31.1313, 33.0135, 35.7418 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 31.1313, 33.0135, 35.7418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

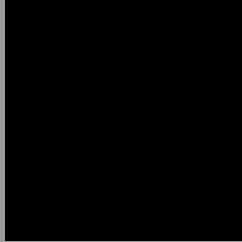
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1313, 33.0135, 35.7418

Background



This preview shows how black text looks on a background with the XYZ color 31.1313, 33.0135, 35.7418.



This preview shows how white text looks on a background with the XYZ color 31.1313, 33.0135,

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

31.1313, 33.0135, 35.7418

Protanopia

31.6546, 33.0449, 35.2818

Deuteranopia

33.6449, 33.0796, 36.0642



Tritanopia

32.1488, 32.9323, 40.7385

Trichromacy



Original Color

31.1313, 33.0135, 35.7418

Protanomaly

31.4587, 32.9439, 35.2726

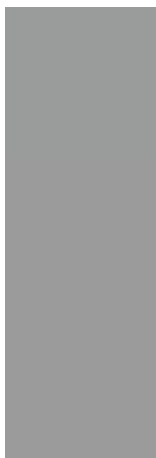
Deuteranomaly

32.7018, 33.0753, 36.1131

Tritanomaly

31.7605, 33.0199, 38.8819

Monochromacy



Original Color

31.1313, 33.0135, 35.7418

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1553, 32.7778, 35.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1313, 33.0135, 35.7418 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(154, 156, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 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(154, 156, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.1313, 33.0135, 35.7418 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(154, 156, 155) }
```

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

```
.border{ border-color:rgb(154, 156, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
155) }
```


Background

The CSS property to change the background color of an element to XYZ 31.1313, 33.0135, 35.7418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 155) }
```

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

```
.background{ background-color: rgb(154,  
156, 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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