

Converting Colors

XYZ(31.6532, 33.3776, 36.8422)

Have a look what the booklet for
XYZ(31.6532, 33.3776, 36.8422)
contains.

XYZ(31.4918, 33.1798, 36.6428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(31.4918, 33.1798,
36.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9C9D
RGB	155, 156, 157
RGB Percent	61%, 61%, 62%
CMY	0.3922, 0.3882, 0.3843
CMYK	0.01, 0.01, 0.00, 0.38
HSL	210°, 1%, 61%
HSV	210°, 1%, 62%
XYZ	31.4918, 33.1798, 36.6428
YIQ	155.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

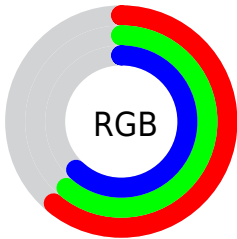
Format	Color
RYB	155, 156, 157
Decimal	10198173
CIELab	64.31, -0.16, -0.66
CIELCh	64, 0.676, 256.016
Yxy	33.1798, 0.3108, 0.3275
Android (android.graphics.Color)	4288388253 (0xFF9B9C9D)
YUV	155.8150, 0.5842, -0.7148
Hunter-Lab	57.6019, -3.2148, 2.6047

Details

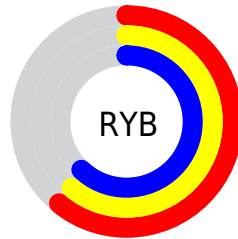
The XYZ color **31.4918, 33.1798, 36.6428** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7095, 33.3111, 35.7692**, and the grayscale version is **31.5160, 33.1573, 36.1083**.

A 20% lighter version of the original color is **61.2248, 64.4020, 71.4913**, and **13.3620, 14.0868, 15.6504** is the 20% darker color. If you saturate the color by 10%, you get **27.4012, 29.1843, 36.0877**, and if you desaturate by 10%, it is **36.0608, 37.5495, 37.2459**.

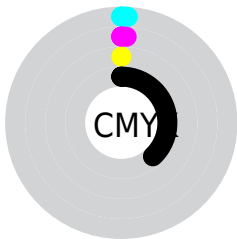
Distribution



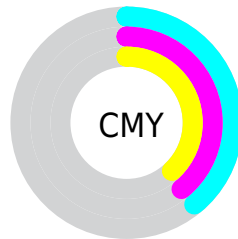
- Red (61%)
- Green (61%)
- Blue (62%)



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



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4918, 33.1798, 36.6428 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 31.4918, 33.1798, 36.6428 by changing the saturation by 10% instead.

■ 31.4918, 33.1798,
36.6428

■ 31.4918, 33.1798,
36.6428

300.5843,
316.4591, 346.8835

■ 21.1273, 22.2642,
24.6374

■ 61.3841, 64.6561,
71.2032

■ 13.3301, 14.0512,
15.5906

■ 81.6427, 85.9857,
94.5954

■ 7.7348, 8.1563,
9.0837

105.9299,
111.5553, 122.6202

■ 3.9761, 4.1951,
4.6983

134.6112,
141.7495, 155.6963

■ 1.6886, 1.7833,
2.0157

168.0519,
176.9526, 194.2421

■ 0.4491, 0.4767,
0.5649

206.6175,

■ 0.0000, 0.0000,

217.5489, 238.6762

0.0000

250.6731,
263.9230, 289.4171

■ 31.4918, 33.1798,
36.6428

■ 31.4918, 33.1798,
36.6428

■ 27.4012, 29.1843,
36.0877

■ 36.0608, 37.5495,
37.2459

■ 23.7695, 25.5478,
35.5772

■ 41.1210, 42.2994,
37.8960

■ 20.5801, 22.2602,
35.1107

■ 46.6884, 47.4410,
38.5950

■ 17.8143, 19.3095,
34.6869

■ 52.7772, 52.9837,
39.3440

■ 15.4518, 16.6825,
34.3044

■ 59.4013, 58.9369,
40.1439

■ 13.4706, 14.3652,
33.9615

■ 66.5738, 65.3093,
40.9959

■ 11.8465, 12.3425,
33.6567

■ 70.5702, 70.1830,
41.7260

■ 10.5518, 10.5972,
33.3881

■ 72.5601, 74.1629,
42.3893

■ 9.5546, 9.1098,
33.1535

■ 74.6460, 78.3347,
43.0846

Harmonies

Analogous

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



31.4083, 33.1798, 36.5090



31.4918, 33.1798, 36.6428



31.5874, 33.1798, 36.6379

Triad

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



31.4918, 33.1798, 36.6428



31.7142, 33.1798, 35.9814



31.4037, 33.1798, 35.7611

Complementary

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



31.4918, 33.1798, 36.6428



31.7095, 33.3111, 35.7692

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.



31.4855, 33.1798, 35.6212



31.4918, 33.1798, 36.6428



31.6648, 33.1798, 35.7480

Square

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



31.4918, 33.1798, 36.6428



31.7159, 33.1798, 36.2551



31.5811, 33.1798, 35.6164



31.3575, 33.1798, 35.9995

Rectangle

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



31.4918, 33.1798, 36.6428



31.6451, 33.1798, 36.5566



31.5811, 33.1798, 35.6164



31.4279, 33.1798, 35.7011

Sweetspot

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



31.4927, 33.1812, 36.6435



57.3938, 60.3827, 65.7568



31.5729, 33.4822, 36.2368



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.



31.4927, 33.1812, 36.6435



55.8096, 58.8530, 65.5450



31.3307, 32.8571, 36.5895



7.2547, 7.6486, 8.5007



7.2345, 6.5605, 26.7922



0.1716, 0.2019, 0.4932

Inverse Universe

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



31.6274, 33.0116, 36.1591



56.1942, 58.3715, 64.1609



31.8728, 33.6378, 35.8236



7.3000, 7.5919, 8.3376



12.4498, 6.2845, 6.6198



0.2440, 0.1209, 0.2308

Previews

White Background



This preview shows how the XYZ color 31.4918, 33.1798, 36.6428 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 31.4918, 33.1798, 36.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

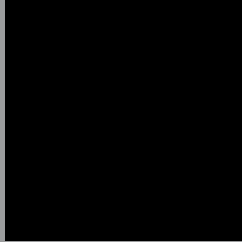
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

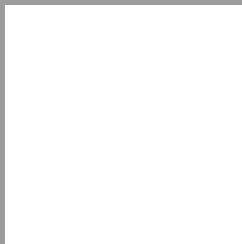
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4918, 33.1798, 36.6428

Background



This preview shows how black text looks on a background with the XYZ color 31.4918, 33.1798, 36.6428.



This preview shows how white text looks on a background with the XYZ color 31.4918, 33.1798,

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

31.4918, 33.1798, 36.6428

Protanopia

31.8226, 33.1121, 36.1665

Deuteranopia

33.8157, 33.1479, 36.9637



Tritanopia

32.4353, 33.0693, 41.2327

Trichromacy



Original Color

31.4918, 33.1798, 36.6428

Protanomaly

31.6267, 33.0111, 36.1574

Deuteranomaly

33.0798, 33.2504, 37.0222

Tritanomaly

32.0425, 33.1550, 39.3611

Monochromacy



Original Color

31.4918, 33.1798, 36.6428

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5995, 33.2452, 36.2040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4918, 33.1798, 36.6428 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(155, 156, 157) looks like.

```
.text, #text, p{  
    color:rgb(155, 156, 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(155, 156, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 156, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.4918, 33.1798, 36.6428 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(155, 156, 157) }
```

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

```
.border{ border-color:rgb(155, 156, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 156, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 156, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 156, 157);  
box-shadow:4px 4px 4px 4px rgb(155, 156,  
157) }
```


Background

The CSS property to change the background color of an element to XYZ 31.4918, 33.1798, 36.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 156, 157) }
```

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

```
.background{ background-color: rgb(155,  
156, 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](#).

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