

Converting Colors

XYZ(31.2844, 33.2770, 35.9969)

Have a look what the booklet for
XYZ(31.2844, 33.2770, 35.9969)
contains.

XYZ(31.2998, 33.3505, 35.7980)	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(31.2998, 33.3505,
35.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9D9B
RGB	154, 157, 155
RGB Percent	60%, 62%, 61%
CMY	0.3961, 0.3843, 0.3922
CMYK	0.02, 0.00, 0.01, 0.38
HSL	140°, 2%, 61%
HSV	140°, 2%, 62%
XYZ	31.2998, 33.3505, 35.7980
YIQ	155.8750, -1.1460, -1.2580

Conversions

Conversions Part 2

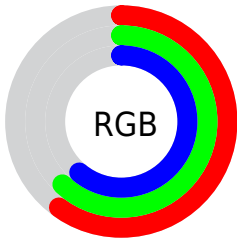
Format	Color
RYB	154, 156, 157
Decimal	10132891
CIELab	64.44, -1.46, 0.66
CIELCh	64, 1.602, 155.719
Yxy	33.3505, 0.3116, 0.3320
Android (android.graphics.Color)	4288322971 (0xFF9A9D9B)
YUV	155.8750, -0.4314, -1.6444
Hunter-Lab	57.7499, -4.3173, 3.6722

Details

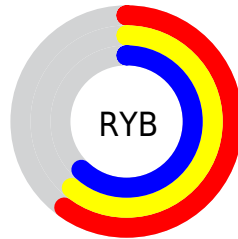
The XYZ color **31.2998, 33.3505, 35.7980** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4622, 32.6805, 36.1038**, and the grayscale version is **31.5472, 33.1901, 36.1440**.

A 20% lighter version of the original color is **61.0645, 65.1003, 69.6688**, and **13.2462, 14.1911, 15.1377** is the 20% darker color. If you saturate the color by 10%, you get **27.6633, 31.5740, 31.2349**, and if you desaturate by 10%, it is **35.4053, 35.3619, 40.7825**.

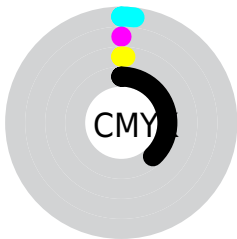
Distribution



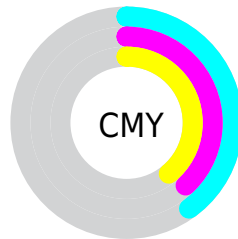
- Red (60%)
- Green (62%)
- Blue (61%)



- Red (60%)
- Yellow (61%)
- Blue (62%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2998, 33.3505, 35.7980 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 31.2998, 33.3505, 35.7980 by changing the saturation by 10% instead.

■ 31.2998, 33.3505,
35.7980

■ 31.2998, 33.3505,
35.7980

299.7194,
317.2262, 343.0874

■ 20.9802, 22.3951,
23.9898

■ 61.0844, 64.9224,
69.8857

■ 13.2219, 14.1475,
15.1139

■ 81.2801, 86.3076,
93.0023

■ 7.6596, 8.2233,
8.7519

105.4986,
111.9382, 120.7253

■ 3.9279, 4.2382,
4.4851

134.1051,
142.1987, 153.4735

■ 1.6614, 1.8077,
1.8951

167.4651,
177.4733, 191.6652

■ 0.4319, 0.4919,
0.4896

205.9439,

■ 0.0000, 0.0000,

218.1465, 235.7191

0.0000

249.9069,
264.6026, 286.0537

■ 31.2998, 33.3505,
35.7980

■ 31.2998, 33.3505,
35.7980

■ 27.6633, 31.5740,
31.2349

■ 35.4053, 35.3619,
40.7825

■ 24.4761, 30.0196,
27.0803

■ 39.9931, 37.6119,
46.1968

■ 21.7211, 28.6796,
23.3235

■ 45.0795, 40.1097,
52.0516

■ 19.3789, 27.5444,
19.9527

■ 50.6791, 42.8626,
58.3566

■ 17.4289, 26.6034,
16.9555

■ 56.8059, 45.8777,
65.1213

■ 15.8484, 25.8454,
14.3188

■ 63.4734, 49.1618,
72.3549

■ 14.6123, 25.2576,
12.0288

■ 67.3426, 50.9932,
79.9093

■ 13.6923, 24.8257,
10.0707

■ 68.8435, 51.5935,
87.8127

■ 13.0551, 24.5328,
8.4286

■ 70.4340, 52.2297,
96.1881

Harmonies

Analogous

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



31.4428, 33.3505, 35.3009



31.2998, 33.3505, 35.7980



31.2634, 33.3505, 36.4386

Triad

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



31.2998, 33.3505, 35.7980



31.7425, 33.3505, 37.5796



32.0567, 33.3505, 35.5833

Complementary

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



31.2998, 33.3505, 35.7980



31.4622, 32.6805, 36.1038

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.



32.1379, 33.3505, 36.1878



31.2998, 33.3505, 35.7980



31.9559, 33.3505, 37.3443

Square

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



31.2998, 33.3505, 35.7980



31.5183, 33.3505, 37.4722



32.1009, 33.3505, 36.8330



31.8797, 33.3505, 35.1780

Rectangle

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



31.2998, 33.3505, 35.7980



31.3044, 33.3505, 36.8619



32.1009, 33.3505, 36.8330



32.0962, 33.3505, 35.7697

Sweetspot

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



31.3007, 33.3519, 35.7987



56.6757, 60.0313, 64.8750



31.6110, 33.5215, 35.3766



12.4806, 13.2142, 14.2870



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



31.3007, 33.3519, 35.7987



55.9664, 59.6843, 64.0010



31.4235, 33.4010, 36.4449



7.2731, 7.7465, 8.3188



10.3170, 19.7947, 6.0263



0.2030, 0.3614, 0.2054

Inverse Universe

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



31.4622, 32.6805, 36.1038



56.2743, 58.4036, 64.5829



31.3399, 32.6316, 35.4600



7.3094, 7.5956, 8.3874



13.3694, 6.6523, 11.4624



0.2578, 0.1265, 0.3038

Previews

White Background



This preview shows how the XYZ color 31.2998, 33.3505, 35.7980 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 31.2998, 33.3505, 35.7980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

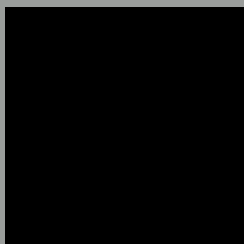
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

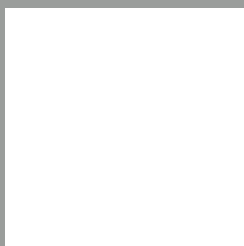
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2998, 33.3505, 35.7980

Background



This preview shows how black text looks on a background with the XYZ color 31.2998, 33.3505, 35.7980.



This preview shows how white text looks on a background with the XYZ color 31.2998, 33.3505,

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

31.2998, 33.3505, 35.7980

Protanopia

31.8522, 33.1467, 35.2910

Deuteranopia

33.8619, 33.1914, 36.0744



Tritanopia

32.4067, 33.3006, 41.2789

Trichromacy



Original Color

31.2998, 33.3505, 35.7980

Protanomaly

31.6258, 33.2781, 35.3283

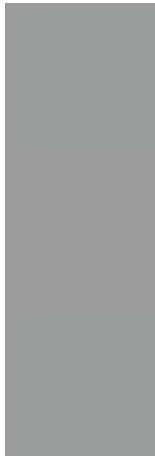
Deuteranomaly

32.9090, 33.1821, 36.1228

Tritanomaly

32.0169, 33.3898, 39.4077

Monochromacy



Original Color

31.2998, 33.3505, 35.7980

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4068, 33.1458, 36.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2998, 33.3505, 35.7980 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, 157, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 157, 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, 157, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 157, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.2998, 33.3505, 35.7980 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, 157, 155) }
```


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

```
.border{ border-color:rgb(154, 157, 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, 157, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 157, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 157, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 157,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2998, 33.3505, 35.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 157, 155) }
```

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

```
.background{ background-color: rgb(154,  
157, 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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