

Converting Colors

XYZ(31.9188, 34.0341, 34.5567)

Have a look what the booklet for
XYZ(31.9188, 34.0341, 34.5567)
contains.

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Color

**XYZ(31.7990, 33.8888,
34.5710)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9E98
RGB	157, 158, 152
RGB Percent	62%, 62%, 60%
CMY	0.3843, 0.3804, 0.4039
CMYK	0.01, 0.00, 0.04, 0.38
HSL	70°, 3%, 61%
HSV	70°, 4%, 62%
XYZ	31.7990, 33.8888, 34.5710
YIQ	157.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

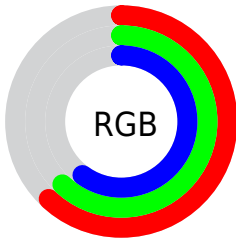
Format	Color
RYB	152, 158, 153
Decimal	10329752
CIELab	64.87, -1.49, 3.00
CIElCh	65, 3.347, 116.440
Yxy	33.8888, 0.3172, 0.3380
Android (android.graphics.Color)	4288519832 (0xFF9D9E98)
YUV	157.0170, -2.4734, -0.0149
Hunter-Lab	58.2141, -4.3704, 5.5399

Details

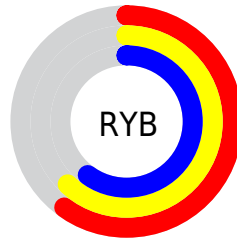
The XYZ color **31.7990, 33.8888, 34.5710** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5379, 31.6983, 36.8583**, and the grayscale version is **32.0666, 33.7366, 36.7391**.

A 20% lighter version of the original color is **62.0862, 66.0418, 67.8676**, and **13.5505, 14.5191, 14.4002** is the 20% darker color. If you saturate the color by 10%, you get **30.0811, 33.1439, 28.1794**, and if you desaturate by 10%, it is **33.7024, 34.7114, 41.8726**.

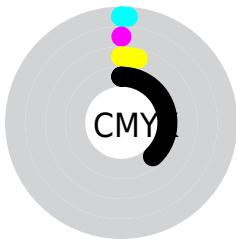
Distribution



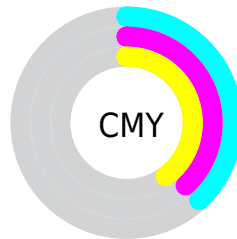
- Red (62%)
- Green (62%)
- Blue (60%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7990, 33.8888, 34.5710 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 31.7990, 33.8888, 34.5710 by changing the saturation by 10% instead.

■ 31.7990, 33.8888,
34.5710

■ 31.7990, 33.8888,
34.5710

301.9642,
319.6359, 337.5172

■ 21.3628, 22.8082,
23.0517

■ 61.8632, 65.7607,
67.9647

■ 13.5034, 14.4519,
14.4260

■ 82.2219, 87.3208,
90.6761

■ 7.8555, 8.4357,
8.2754

106.6188,
113.1428, 117.9553

■ 4.0537, 4.3750,
4.1814

135.4193,
143.6112, 150.2209

■ 1.7325, 1.8854,
1.7254

168.9887,
179.1103, 187.8913

■ 0.4765, 0.5396,
0.3780

207.6925,

■ 0.0000, 0.0000,

220.0245, 231.3851

0.0000

251.8958,
266.7383, 281.1209

■ 31.7990, 33.8888,
34.5710

■ 31.7990, 33.8888,
34.5710

■ 30.0811, 33.1439,
28.1794

■ 33.7024, 34.7114,
41.8726

■ 28.5390, 32.4695,
22.6601

■ 35.7948, 35.6098,
50.1158

■ 27.1663, 31.8641,
17.9757

■ 38.0834, 36.5879,
59.3331

■ 25.9553, 31.3246,
14.0854

■ 40.5740, 37.6482,
69.5550

■ 24.8975, 30.8477,
10.9452

■ 43.2722, 38.7929,
80.8107

■ 23.9835, 30.4296,
8.5064

■ 46.1834, 40.0240,
93.1281

■ 23.2031, 30.0661,
6.7149

■ 48.0640, 40.8443,
99.9582

■ 22.5443, 29.7525,
5.5085

■ 48.6643, 41.1538,
99.9863

■ 21.9930, 29.4831,
4.8130

■ 49.2764, 41.4693,
100.0150

Harmonies

Analogous

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



32.2679, 33.8888, 34.3105



31.7990, 33.8888, 34.5710



31.4434, 33.8888, 35.4498

Triad

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



31.7990, 33.8888, 34.5710



31.7002, 33.8888, 39.1576



33.1451, 33.8888, 37.0644

Complementary

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



31.7990, 33.8888, 34.5710



30.5379, 31.6983, 36.8583

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.



32.9895, 33.8888, 38.3874



31.7990, 33.8888, 34.5710



32.1527, 33.8888, 39.6148

Square

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



31.7990, 33.8888, 34.5710



31.3868, 33.8888, 38.0948



32.6251, 33.8888, 39.3295



33.0481, 33.8888, 35.7288

Rectangle

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



31.7990, 33.8888, 34.5710



31.3169, 33.8888, 36.2797



32.6251, 33.8888, 39.3295



33.1205, 33.8888, 37.5256

Sweetspot

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



31.7999, 33.8903, 34.5717



58.6718, 61.9420, 66.2956



31.1604, 32.3195, 34.3023



13.2320, 13.9667, 14.9636



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.



31.7999, 33.8903, 34.5717



57.3216, 61.3578, 61.1795



31.2219, 33.5923, 34.5447



7.2090, 7.7283, 7.6447



17.3927, 23.5030, 3.6198



0.3373, 0.4338, 0.0660

Inverse Universe

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



30.5379, 31.6983, 36.8583



54.2726, 56.0620, 66.7040



31.1112, 31.9938, 36.8852



6.7919, 7.0038, 8.4006



5.3160, 2.1695, 26.0458



0.1204, 0.0518, 0.4669

Previews

White Background



This preview shows how the XYZ color 31.7990, 33.8888, 34.5710 looks on a white background.

Color Contrast Check

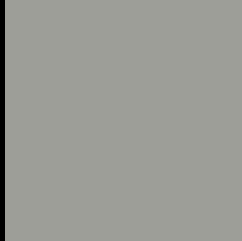
Large Text (above 18pt) WCAG AA × Fail

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 31.7990, 33.8888, 34.5710 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

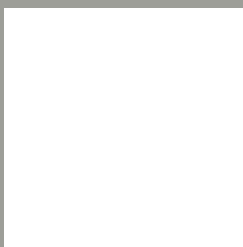
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7990, 33.8888, 34.5710

Background



This preview shows how black text looks on a background with the XYZ color 31.7990, 33.8888, 34.5710.



This preview shows how white text looks on a background with the XYZ color 31.7990, 33.8888,

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

31.7990, 33.8888, 34.5710

Protanopia

32.5432, 34.0297, 34.1313

Deuteranopia

34.4336, 33.7551, 34.8375



Tritanopia

33.2544, 33.9750, 41.8509

Trichromacy



Original Color

31.7990, 33.8888, 34.5710

Protanomaly

32.1401, 33.8219, 34.1125

Deuteranomaly

33.4538, 33.7359, 34.8855

Tritanomaly

32.6791, 33.9917, 39.0211

Monochromacy



Original Color

31.7990, 33.8888, 34.5710

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8780, 33.6486, 35.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7990, 33.8888, 34.5710 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(157, 158, 152)` looks like.

```
.text, #text, p{  
    color:rgb(157, 158, 152)  
}
```

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(157, 158, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 158, 152) }
```

Border

The CSS property to change the border of an element to XYZ 31.7990, 33.8888, 34.5710 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(157, 158, 152) }
```


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

```
.border{ border-color:rgb(157, 158, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 158, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 158, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 158, 152);  
box-shadow:4px 4px 4px 4px rgb(157, 158,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7990, 33.8888, 34.5710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 158, 152) }
```

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

```
.background{ background-color: rgb(157,  
158, 152) }
```

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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