

Converting Colors

XYZ(31.3482, 33.2139, 35.0558)

Have a look what the booklet for
XYZ(31.3482, 33.2139, 35.0558)
contains.

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Color

**XYZ(31.3485, 33.1448,
34.8823)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9C99
RGB	156, 156, 153
RGB Percent	61%, 61%, 60%
CMY	0.3882, 0.3882, 0.4000
CMYK	0.00, 0.00, 0.02, 0.39
HSL	60°, 1%, 61%
HSV	60°, 2%, 61%
XYZ	31.3485, 33.1448, 34.8823
YIQ	155.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

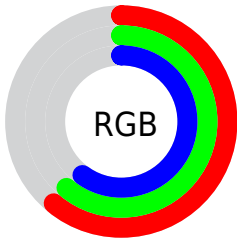
Format	Color
RYB	153, 156, 153
Decimal	10263705
CIELab	64.28, -0.57, 1.56
CIElCh	64, 1.660, 109.975
Yxy	33.1448, 0.3155, 0.3335
Android (android.graphics.Color)	4288453785 (0xFF9C9C99)
YUV	155.6580, -1.3104, 0.2999
Hunter-Lab	57.5715, -3.5544, 4.3765

Details

The XYZ color **31.3485, 33.1448, 34.8823** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5302, 31.9560, 36.0133**, and the grayscale version is **31.4537, 33.0918, 36.0369**.

A 20% lighter version of the original color is **60.8874, 64.2998, 68.2335**, and **13.2755, 14.0657, 14.5856** is the 20% darker color. If you saturate the color by 10%, you get **30.1403, 32.6622, 28.5337**, and if you desaturate by 10%, it is **32.7271, 33.6977, 42.1197**.

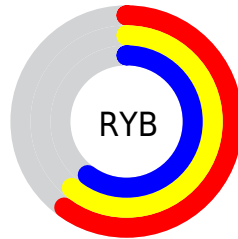
Distribution



Red (61%)

Green (61%)

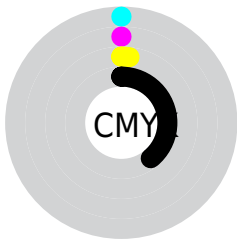
Blue (60%)



Red (60%)

Yellow (61%)

Blue (60%)

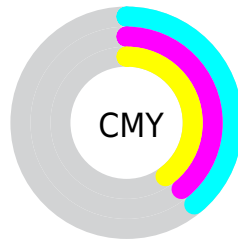


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3485, 33.1448, 34.8823 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 31.3485, 33.1448, 34.8823 by changing the saturation by 10% instead.

■ 31.3485, 33.1448,
34.8823

■ 31.3485, 33.1448,
34.8823

299.9389,
316.3017, 338.9370

■ 21.0175, 22.2374,
23.2894

■ 61.1605, 64.6015,
68.4529

■ 13.2493, 14.0314,
14.6000

■ 81.3721, 85.9196,
91.2677

■ 7.6786, 8.1425,
8.3957

105.6080,
111.4768, 118.6601

■ 3.9401, 4.1863,
4.2578

134.2336,
141.6574, 151.0489

■ 1.6683, 1.7783,
1.7678

167.6141,
176.8457, 188.8524

■ 0.4363, 0.4736,
0.4066

206.1149,

■ 0.0000, 0.0000,

217.4263, 232.4892

0.0000

250.1014,
263.7835, 282.3779

■ 31.3485, 33.1448,
34.8823

■ 31.3485, 33.1448,
34.8823

■ 30.1403, 32.6622,
28.5337

■ 32.7271, 33.6977,
42.1197

■ 29.0931, 32.2429,
23.0377

■ 34.2794, 34.3190,
50.2759

■ 28.2011, 31.8857,
18.3584

■ 36.0122, 35.0126,
59.3826

■ 27.4568, 31.5876,
14.4571

■ 37.9310, 35.7805,
69.4688

■ 26.8522, 31.3453,
11.2914

■ 40.0412, 36.6249,
80.5625

■ 26.3785, 31.1555,
8.8154

■ 42.3478, 37.5480,
92.6908

■ 26.0261, 31.0141,
6.9776

■ 43.6739, 38.0788,
99.6558

■ 25.7838, 30.9168,
5.7196

■ 43.6774, 38.0806,
99.6560

■ 25.6384, 30.8582,
4.9722

■ 43.6809, 38.0824,
99.6562

Harmonies

Analogous

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



31.5821, 33.1448, 34.8253



31.3485, 33.1448, 34.8823



31.1572, 33.1448, 35.2603

Triad

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



31.3485, 33.1448, 34.8823



31.2124, 33.1448, 37.0926



31.9518, 33.1448, 36.3156

Complementary

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



31.3485, 33.1448, 34.8823



30.5302, 31.9560, 36.0133

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.



31.8516, 33.1448, 36.9307



31.3485, 33.1448, 34.8823



31.4243, 33.1448, 37.3830

Square

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



31.3485, 33.1448, 34.8823



31.0789, 33.1448, 36.5345



31.6583, 33.1448, 37.3233



31.9312, 33.1448, 35.6473

Rectangle

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



31.3485, 33.1448, 34.8823



31.0790, 33.1448, 35.6462



31.6583, 33.1448, 37.3233



31.9311, 33.1448, 36.5356

Sweetspot

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



31.3494, 33.1462, 34.8830



57.1500, 60.2851, 64.4764



30.8524, 32.1511, 34.7171



12.5787, 13.2666, 14.2045



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.



31.3494, 33.1462, 34.8830



56.9094, 60.1888, 63.2127



31.0613, 32.9977, 34.8695



7.3842, 7.8060, 8.2258



21.0572, 25.3921, 3.7913



0.3767, 0.4541, 0.0678

Inverse Universe

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



30.5302, 31.9560, 36.0133



55.3341, 57.9001, 65.3862



30.8148, 32.1027, 36.0266



7.1986, 7.5363, 8.4819



4.9448, 1.9782, 26.0284



0.0886, 0.0355, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.3485, 33.1448, 34.8823 looks on a white background.

Color Contrast Check

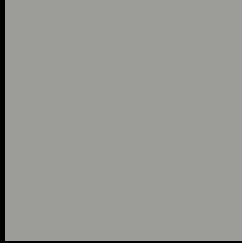
Large Text (above 18pt) WCAG AA × Fail

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 31.3485, 33.1448, 34.8823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

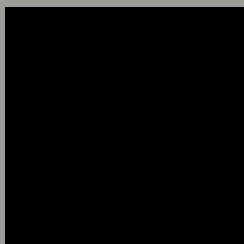
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

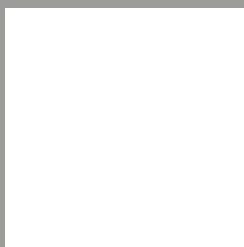
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3485, 33.1448, 34.8823

Background



This preview shows how black text looks on a background with the XYZ color 31.3485, 33.1448, 34.8823.



This preview shows how white text looks on a background with the XYZ color 31.3485, 33.1448,

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

31.3485, 33.1448, 34.8823

Protanopia

31.6869, 33.0806, 34.4209

Deuteranopia

33.6939, 33.1242, 35.1896



Tritanopia

32.5391, 33.1335, 40.7568

Trichromacy



Original Color

31.3485, 33.1448, 34.8823

Protanomaly

31.4894, 32.9788, 34.4116

Deuteranomaly

32.9499, 33.2226, 35.2478

Tritanomaly

32.0590, 33.1840, 38.4337

Monochromacy



Original Color

31.3485, 33.1448, 34.8823

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5152, 33.2114, 35.7598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3485, 33.1448, 34.8823 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(156, 156, 153)` looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 153)  
}
```

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(156, 156, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.3485, 33.1448, 34.8823 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(156, 156, 153) }
```


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

```
.border{ border-color:rgb(156, 156, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 153);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3485, 33.1448, 34.8823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 153) }
```

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

```
.background{ background-color: rgb(156,  
156, 153) }
```

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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