

Converting Colors

XYZ(31.0036, 32.9030, 33.7222)

Have a look what the booklet for
XYZ(31.0036, 32.9030, 33.7222)
contains.

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Color

**XYZ(31.1038, 33.0469,
33.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9C96
RGB	156, 156, 150
RGB Percent	61%, 61%, 59%
CMY	0.3882, 0.3882, 0.4118
CMYK	0.00, 0.00, 0.04, 0.39
HSL	60°, 3%, 60%
HSV	60°, 4%, 61%
XYZ	31.1038, 33.0469, 33.5935
YIQ	155.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

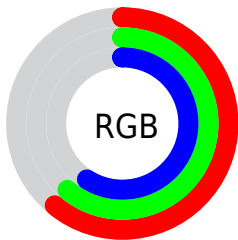
Format	Color
RYB	150, 156, 150
Decimal	10263702
CIELab	64.20, -1.13, 3.13
CIELCh	64, 3.327, 109.804
Yxy	33.0469, 0.3182, 0.3381
Android (android.graphics.Color)	4288453782 (0xFF9C9C96)
YUV	155.3160, -2.6208, 0.5999
Hunter-Lab	57.4864, -4.0215, 5.5930

Details

The XYZ color **31.1038, 33.0469, 33.5935** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4861, 30.6979, 35.8255**, and the grayscale version is **31.3071, 32.9376, 35.8690**.

A 20% lighter version of the original color is **60.5240, 64.1545, 66.3198**, and **13.1294, 14.0073, 13.8161** is the 20% darker color. If you saturate the color by 10%, you get **29.9291, 32.5779, 27.4118**, and if you desaturate by 10%, it is **32.4476, 33.5857, 40.6576**.

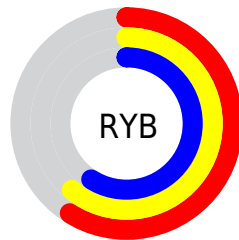
Distribution



Red (61%)

Green (61%)

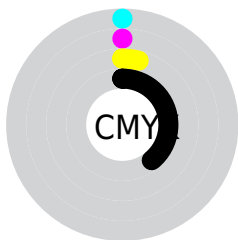
Blue (59%)



Red (59%)

Yellow (61%)

Blue (59%)

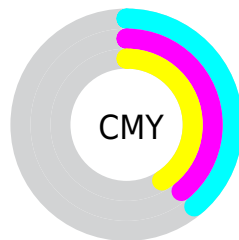


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1038, 33.0469, 33.5935 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 31.1038, 33.0469, 33.5935 by changing the saturation by 10% instead.

■ 31.1038, 33.0469,
33.5935

■ 31.1038, 33.0469,
33.5935

298.8346,
315.8610, 333.0293

■ 20.8301, 22.1624,
22.3067

■ 60.7782, 64.4487,
66.4277

■ 13.1116, 13.9763,
13.8819

■ 80.9096, 85.7349,
88.8121

■ 7.5830, 8.1042,
7.9008

105.0576,
111.2570, 115.7328

■ 3.8788, 4.1617,
3.9447

133.5877,
141.3994, 147.6083

■ 1.6338, 1.7644,
1.5950

166.8650,
176.5467, 184.8572

■ 0.4143, 0.4648,
0.2873

205.2550,

■ 0.0000, 0.0000,

217.0831, 227.8979

0.0000

249.1231,
263.3931, 277.1491

■ 31.1038, 33.0469,
33.5935

■ 31.1038, 33.0469,
33.5935

■ 29.9291, 32.5779,
27.4118

■ 32.4476, 33.5857,
40.6576

■ 28.9142, 32.1718,
22.0758

■ 33.9640, 34.1924,
48.6345

■ 28.0531, 31.8271,
17.5493

■ 35.6597, 34.8709,
57.5559

■ 27.3382, 31.5410,
13.7929

■ 37.5405, 35.6234,
67.4515

■ 26.7614, 31.3101,
10.7637

■ 39.6115, 36.4520,
78.3493

■ 26.3137, 31.1308,
8.4147

■ 41.8781, 37.3588,
90.2764

■ 25.9853, 30.9993,
6.6933

■ 43.6607, 38.0720,
99.6552

■ 25.7646, 30.9108,
5.5394

■ 43.6622, 38.0728,
99.6553

■ 25.6380, 30.8600,
4.8809

■ 43.6638, 38.0736,
99.6554

Harmonies

Analogous

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



31.5709, 33.0469, 33.4860



31.1038, 33.0469, 33.5935



30.7224, 33.0469, 34.3319

Triad

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



31.1038, 33.0469, 33.5935



30.8284, 33.0469, 38.0032



32.3112, 33.0469, 36.4442

Complementary

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



31.1038, 33.0469, 33.5935



29.4861, 30.6979, 35.8255

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.



32.1080, 33.0469, 37.6851



31.1038, 33.0469, 33.5935



31.2498, 33.0469, 38.6000

Square

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



31.1038, 33.0469, 33.5935



30.5645, 33.0469, 36.8697



31.7184, 33.0469, 38.4821



32.2712, 33.0469, 35.1096

Rectangle

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



31.1038, 33.0469, 33.5935



30.5665, 33.0469, 35.0932



31.7184, 33.0469, 38.4821



32.2690, 33.0469, 36.8867

Sweetspot

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



31.1047, 33.0483, 33.5942



57.1503, 60.2853, 64.4764



30.1227, 31.0834, 33.2667



12.5788, 13.2667, 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.



31.1047, 33.0483, 33.5942



56.2084, 59.9084, 59.5222



30.5316, 32.7529, 33.5674



7.2744, 7.7620, 7.6477



21.0727, 25.4001, 3.7921



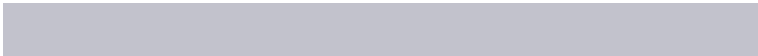
0.3769, 0.4542, 0.0678

Inverse Universe

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



29.4861, 30.6979, 35.8255



52.3446, 54.2978, 64.8484



30.0450, 30.9861, 35.8516



6.7304, 6.9721, 8.3977



4.9437, 1.9776, 26.0284



0.0885, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.1038, 33.0469, 33.5935 looks on a white background.

Color Contrast Check

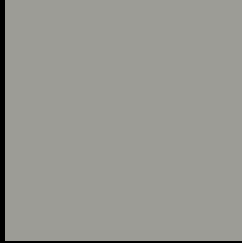
Large Text (above 18pt) WCAG AA × Fail

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 31.1038, 33.0469, 33.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

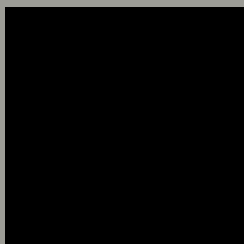
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

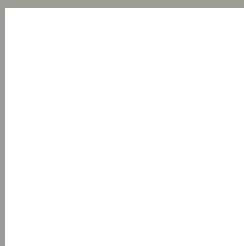
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1038, 33.0469, 33.5935

Background



This preview shows how black text looks on a background with the XYZ color 31.1038, 33.0469, 33.5935.



This preview shows how white text looks on a background with the XYZ color 31.1038, 33.0469,

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

31.1038, 33.0469, 33.5935

Protanopia

31.6434, 33.0862, 33.1523

Deuteranopia

33.5055, 32.8177, 33.8467



Tritanopia

32.5391, 33.1335, 40.7568

Trichromacy



Original Color

31.1038, 33.0469, 33.5935

Protanomaly

31.4442, 32.9835, 33.1429

Deuteranomaly

32.5400, 32.7978, 33.8937

Tritanomaly

31.9711, 33.1489, 37.9710

Monochromacy



Original Color

31.1038, 33.0469, 33.5935

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9887, 32.7112, 34.8176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1038, 33.0469, 33.5935 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.1038, 33.0469, 33.5935 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, 150) }
```


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

```
.border{ border-color:rgb(156, 156, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 150);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1038, 33.0469, 33.5935 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, 150) }
```

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

```
.background{ background-color: rgb(156,  
156, 150) }
```

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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