

Converting Colors

XYZ(30.9417, 31.6517, 34.0180)

Have a look what the booklet for
XYZ(30.9417, 31.6517, 34.0180)
contains.

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Color

**XYZ(31.0322, 31.7711,
34.2026)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9798
RGB	159, 151, 152
RGB Percent	62%, 59%, 60%
CMY	0.3765, 0.4078, 0.4039
CMYK	0.00, 0.05, 0.04, 0.38
HSL	353°, 4%, 61%
HSV	353°, 5%, 62%
XYZ	31.0322, 31.7711, 34.2026
YIQ	153.5060, 4.4470, 2.0070

Conversions

Conversions Part 2

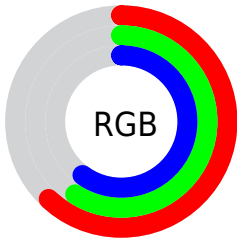
Format	Color
R _Y B	159, 151, 152
Decimal	10459032
CIE Lab	63.15, 3.12, 0.52
CIE LCh	63, 3.158, 9.401
Yxy	31.7711, 0.3199, 0.3275
Android (android.graphics.Color)	4288649112 (0xFF9F9798)
YUV	153.5060, -0.7425, 3.48182
Hunter-Lab	56.3659, -0.3672, 3.4791

Details

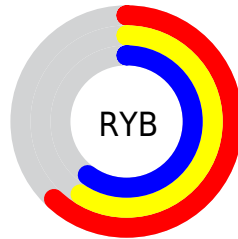
The XYZ color **31.0322, 31.7711, 34.2026** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3334, 33.8451, 37.2308**, and the grayscale version is **30.5014, 32.0898, 34.9458**.

A 20% lighter version of the original color is **60.7035, 62.4150, 67.2404**, and **13.0905, 13.2421, 14.1780** is the 20% darker color. If you saturate the color by 10%, you get **27.5703, 26.5653, 27.7511**, and if you desaturate by 10%, it is **34.9749, 37.7234, 41.4751**.

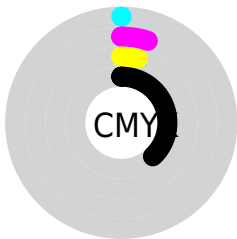
Distribution



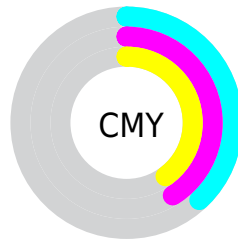
- Red (62%)
- Green (59%)
- Blue (60%)



- Red (62%)
- Yellow (59%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (38%)



- Cyan (38%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0322, 31.7711, 34.2026 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 31.0322, 31.7711, 34.2026 by changing the saturation by 10% instead.

■ 31.0322, 31.7711,
34.2026

■ 31.0322, 31.7711,
34.2026

298.5109,
310.0752, 335.8312

■ 20.7753, 21.1867,
22.7707

■ 60.6663, 62.4521,
67.3861

■ 13.0714, 13.2606,
14.2206

■ 80.7741, 83.3175,
89.9747

■ 7.5551, 7.6082,
8.1337

104.8964,
108.3786, 117.1194

■ 3.8610, 3.8453,
4.0916

133.3984,
138.0200, 149.2385

■ 1.6238, 1.5874,
1.6757

166.6455,
172.6259, 186.7507

■ 0.4078, 0.3491,
0.3440

205.0030,

■ 0.0000, 0.0000,

212.5809, 230.0746

0.0000

248.8364,
258.2692, 279.6285

■ 31.0322, 31.7711,
34.2026

■ 31.0322, 31.7711,
34.2026

■ 27.5703, 26.5653,
27.7511

■ 34.9749, 37.7234,
41.4751

■ 24.5680, 22.0726,
22.0896

■ 39.4128, 44.4458,
49.5938

■ 22.0069, 18.2632,
17.1884

■ 44.3636, 51.9658,
58.5856

■ 19.8659, 15.1036,
13.0149

■ 49.8427, 60.3084,
68.4755

■ 18.1225, 12.5573,
9.5343

■ 55.8652, 69.4976,
79.2875

■ 16.7520, 10.5845,
6.7089

■ 62.4456, 79.5562,
91.0446

■ 15.7267, 9.1405,
4.4973

■ 67.2231, 85.7570,
102.9775

■ 15.0153, 8.1740,
2.8535

■ 68.1083, 86.1111,
107.6392

■ 14.5790, 7.6206,
1.7241

Harmonies

Analogous

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



30.9891, 31.7711, 35.4450



31.0322, 31.7711, 34.2026



30.8500, 31.7711, 33.0915

Triad

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



31.0322, 31.7711, 34.2026



29.6684, 31.7711, 32.7709



29.9035, 31.7711, 36.8900

Complementary

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



31.0322, 31.7711, 34.2026



31.3334, 33.8451, 37.2308

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.



29.5542, 31.7711, 36.1399



31.0322, 31.7711, 34.2026



29.4195, 31.7711, 33.7554

Square

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



31.0322, 31.7711, 34.2026



30.0607, 31.7711, 32.2781



29.3779, 31.7711, 34.9870



30.3346, 31.7711, 37.0167

Rectangle

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



31.0322, 31.7711, 34.2026



30.6263, 31.7711, 32.5674



29.3779, 31.7711, 34.9870



29.7727, 31.7711, 36.7015

Sweetspot

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



31.0331, 31.7725, 34.2033



57.5972, 59.9473, 64.9941



31.4131, 31.9001, 37.3031



13.0037, 13.5429, 14.6870



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.



31.0331, 31.7725, 34.2033



54.8633, 55.8262, 59.9311



31.4296, 32.6957, 33.9341



6.8882, 6.9949, 7.5022



11.4007, 5.8649, 1.0952



0.2124, 0.1083, 0.0645

Inverse Universe

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



31.0331, 31.7725, 34.2033



54.8633, 55.8262, 59.9311



30.9213, 32.8829, 37.5188



6.8882, 6.9949, 7.5022



11.4007, 5.8649, 1.0952



0.2124, 0.1083, 0.0645

Previews

White Background



This preview shows how the XYZ color 31.0322, 31.7711, 34.2026 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 31.0322, 31.7711, 34.2026 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 31.0322, 31.7711, 34.2026

Background



This preview shows how black text looks on a background with the XYZ color 31.0322, 31.7711, 34.2026.

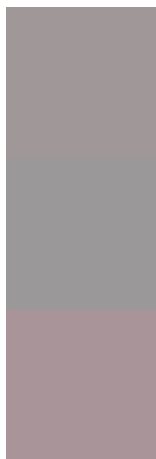


This preview shows how white text looks on a background with the XYZ color 31.0322, 31.7711,

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

31.0322, 31.7711, 34.2026

Protanopia

30.4956, 31.7249, 34.6532

Deuteranopia

32.4881, 31.8045, 34.5636



Tritanopia

31.8366, 31.8595, 38.1897

Trichromacy



Original Color

31.0322, 31.7711, 34.2026

Protanomaly

30.6883, 31.8243, 34.6622

Deuteranomaly

32.0143, 31.7941, 34.5865

Tritanomaly

31.5751, 31.7549, 36.8129

Monochromacy



Original Color

31.0322, 31.7711, 34.2026

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8513, 32.1503, 34.7166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0322, 31.7711, 34.2026 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(159, 151, 152)` looks like.

```
.text, #text, p{  
    color:rgb(159, 151, 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(159, 151, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 151, 152) }
```

Border

The CSS property to change the border of an element to XYZ 31.0322, 31.7711, 34.2026 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(159, 151, 152) }
```


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

```
.border{ border-color:rgb(159, 151, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 151, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 151, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 151, 152);  
box-shadow:4px 4px 4px 4px rgb(159, 151,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0322, 31.7711, 34.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 151, 152) }
```

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

```
.background{ background-color: rgb(159,  
151, 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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