

Converting Colors

XYZ(31.4002, 34.0472, 29.5778)

Have a look what the booklet for
XYZ(31.4002, 34.0472, 29.5778)
contains.

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Color

**XYZ(31.4298, 34.0607,
29.7288)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9F8C
RGB	159, 159, 140
RGB Percent	62%, 62%, 55%
CMY	0.3765, 0.3765, 0.4510
CMYK	0.00, 0.00, 0.12, 0.38
HSL	60°, 9%, 59%
HSV	60°, 12%, 62%
XYZ	31.4298, 34.0607, 29.7288
YIQ	156.8340, 6.0990, -5.9090

Conversions

Conversions Part 2

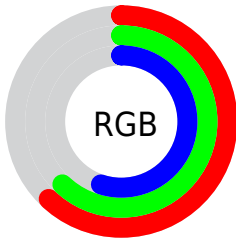
Format	Color
RYB	140, 159, 140
Decimal	10461068
CIELab	65.01, -3.43, 9.93
CIELCh	65, 10.500, 109.049
Yxy	34.0607, 0.3301, 0.3577
Android (android.graphics.Color)	4288651148 (0xFF9F9F8C)
YUV	156.8340, -8.2992, 1.8996
Hunter-Lab	58.3615, -6.0040, 10.6513

Details

The XYZ color **31.4298, 34.0607, 29.7288** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.4528, 26.8358, 36.5885**, and the grayscale version is **32.0082, 33.6751, 36.6722**.

A 20% lighter version of the original color is **61.5157, 66.2843, 60.5909**, and **13.3924, 14.6515, 11.7950** is the 20% darker color. If you saturate the color by 10%, you get **30.3408, 33.6261, 23.9936**, and if you desaturate by 10%, it is **32.6901, 34.5660, 36.3578**.

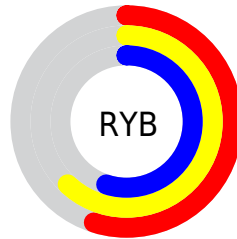
Distribution



Red (62%)

Green (62%)

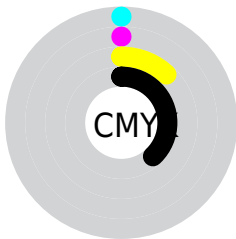
Blue (55%)



Red (55%)

Yellow (62%)

Blue (55%)

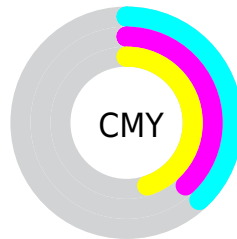


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4298, 34.0607, 29.7288 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 31.4298, 34.0607, 29.7288 by changing the saturation by 10% instead.

■ 31.4298, 34.0607,
29.7288

■ 31.4298, 34.0607,
29.7288

300.3052,
320.4026, 314.8061

■ 21.0798, 22.9402,
19.3825

■ 61.2874, 66.0281,
60.2890

■ 13.2951, 14.5494,
11.7674

■ 81.5256, 87.6437,
81.3399

■ 7.7105, 8.5038,
6.4649

■ 105.7907,
113.5266, 106.7962

■ 3.9605, 4.4189,
3.0564

134.4479,
144.0610, 137.0763

■ 1.6798, 1.9106,
1.1235

167.8626,
179.6315, 172.5988

■ 0.4436, 0.5547,
0.0000

206.4001,

■ 0.0000, 0.0000,

220.6223, 213.7823

0.0000

250.4259,
267.4179, 261.0452

■ 31.4298, 34.0607,
29.7288

■ 31.4298, 34.0607,
29.7288

■ 30.3408, 33.6261,
23.9936

■ 32.6901, 34.5660,
36.3578

■ 29.4131, 33.2550,
19.1120

■ 34.1257, 35.1404,
43.9143

■ 28.6399, 32.9456,
15.0438

■ 35.7441, 35.7878,
52.4328

■ 28.0128, 32.6947,
11.7448

■ 37.5512, 36.5107,
61.9455

■ 27.5225, 32.4985,
9.1667

■ 39.5529, 37.3115,
72.4830

■ 27.1589, 32.3530,
7.2556

■ 41.7549, 38.1923,
84.0747

■ 26.9103, 32.2535,
5.9502

■ 44.1623, 39.1554,
96.7486

■ 26.7630, 32.1945,
5.1776

■ 44.7524, 39.3915,
99.8524

■ 26.6911, 32.1657,
4.8018

■ 44.7531, 39.3918,
99.8524

Harmonies

Analogous

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



32.9316, 34.0607, 29.4657



31.4298, 34.0607, 29.7288



30.2176, 34.0607, 31.8701

Triad

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



31.4298, 34.0607, 29.7288



30.4970, 34.0607, 43.7689



35.3265, 34.0607, 38.6980

Complementary

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



31.4298, 34.0607, 29.7288



26.4528, 26.8358, 36.5885

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.



34.6299, 34.0607, 42.8427



31.4298, 34.0607, 29.7288



31.8221, 34.0607, 45.9191

Square

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



31.4298, 34.0607, 29.7288



29.6908, 34.0607, 39.8837



33.3363, 34.0607, 45.5674



35.2134, 34.0607, 34.4229

Rectangle

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



31.4298, 34.0607, 29.7288



29.7221, 34.0607, 34.1753



33.3363, 34.0607, 45.5674



35.1784, 34.0607, 40.1581

Sweetspot

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



31.4307, 34.0622, 29.7295



58.0363, 61.6988, 62.4506



28.4109, 28.0214, 28.7227



13.0463, 13.8948, 13.8797



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.



31.4307, 34.0622, 29.7295



55.8079, 60.8073, 50.7221



29.6190, 33.1282, 29.6447



7.1701, 7.7203, 7.0979



21.0803, 25.4040, 3.7924



0.3770, 0.4543, 0.0678

Inverse Universe

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



26.4528, 26.8358, 36.5885



45.3324, 45.6003, 65.1559



28.1230, 27.6969, 36.6666



6.2849, 6.4353, 8.3176



4.9432, 1.9773, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.4298, 34.0607, 29.7288 looks on a white background.

Color Contrast Check

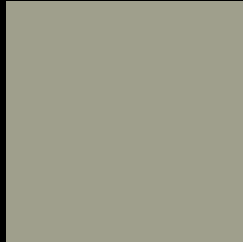
Large Text (above 18pt) WCAG AA × Fail

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 31.4298, 34.0607, 29.7288 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 31.4298, 34.0607, 29.7288

Background



This preview shows how black text looks on a background with the XYZ color 31.4298, 34.0607, 29.7288.



This preview shows how white text looks on a background with the XYZ color 31.4298, 34.0607,

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

31.4298, 34.0607, 29.7288

Protanopia

32.2342, 33.9774, 29.2855

Deuteranopia

34.6264, 33.9633, 29.9299



Tritanopia

33.8007, 34.0192, 41.3441

Trichromacy



Original Color

31.4298, 34.0607, 29.7288

Protanomaly

31.9913, 34.1043, 29.3228

Deuteranomaly

33.5423, 34.1364, 30.0204

Tritanomaly

32.8746, 33.8926, 36.7075

Monochromacy



Original Color

31.4298, 34.0607, 29.7288

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9133, 33.9572, 34.1505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4298, 34.0607, 29.7288 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, 159, 140)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 140)  
}
```

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, 159, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.4298, 34.0607, 29.7288 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, 159, 140) }
```


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

```
.border{ border-color:rgb(159, 159, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 140);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4298, 34.0607, 29.7288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 140) }
```

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

```
.background{ background-color: rgb(159,  
159, 140) }
```

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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