

Converting Colors

XYZ(31.2106, 30.8704, 31.4507)

Have a look what the booklet for
XYZ(31.2106, 30.8704, 31.4507)
contains.

XYZ(31.3479, 31.0498, 31.5351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3479, 31.0498,
31.5351)**

Conversions

Conversions Part 1

Format	Color
Hex	A69392
RGB	166, 147, 146
RGB Percent	65%, 58%, 57%
CMY	0.3490, 0.4235, 0.4274
CMYK	0.00, 0.11, 0.12, 0.35
HSL	3°, 10%, 61%
HSV	3°, 12%, 65%
XYZ	31.3479, 31.0498, 31.5351
YIQ	152.5670, 11.6450, 3.7170

Conversions

Conversions Part 2

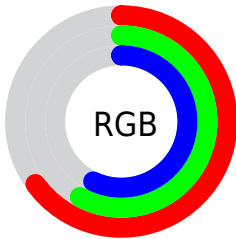
Format	Color
R _Y B	166, 147, 146
Decimal	10916754
CIE Lab	62.55, 6.88, 3.11
CIE LCh	63, 7.549, 24.293
Yxy	31.0498, 0.3337, 0.3306
Android (android.graphics.Color)	4289106834 (0xFFA69392)
YUV	152.5670, -3.2375, 11.7807
Hunter-Lab	55.7223, 2.9052, 5.4515

Details

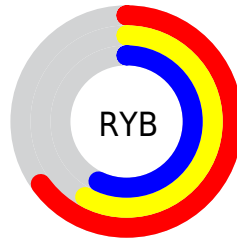
The XYZ color **31.3479, 31.0498, 31.5351** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1918, 35.7735, 41.2849**, and the grayscale version is **30.1010, 31.6686, 34.4871**.

A 20% lighter version of the original color is **61.1308, 61.3156, 63.2567**, and **13.2336, 12.7877, 12.8371** is the 20% darker color. If you saturate the color by 10%, you get **27.8633, 25.9991, 24.4587**, and if you desaturate by 10%, it is **35.3578, 36.8505, 39.7125**.

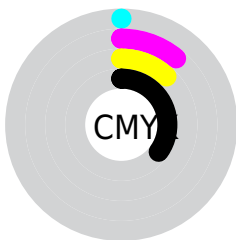
Distribution



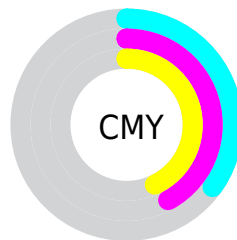
- Red (65%)
- Green (58%)
- Blue (57%)



- Red (65%)
- Yellow (58%)
- Blue (57%)



- Cyan (0%)
- Magenta (11%)
- Yellow (12%)
- Black (35%)





- Cyan (35%)
- Magenta (42%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3479, 31.0498, 31.5351 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 31.3479, 31.0498, 31.5351 by changing the saturation by 10% instead.


 31.3479, 31.0498,
31.5351


 31.3479, 31.0498,
31.5351


299.9362,
306.7677, 323.4232

 21.0170, 20.6368,
20.7448


 61.1595, 61.3185,
63.1710

 13.2490, 12.8588,
12.7481


 81.3710, 81.9429,
84.8536

 7.6784, 7.3314,
7.1267

105.6067,
106.7399, 111.0041

 3.9399, 3.6702,
3.4618

134.2320,
136.0939, 142.0410

 1.6682, 1.4908,
1.3350

167.6122,
170.3893, 178.3828

 0.4362, 0.2823,
0.0902

206.1128,

 0.0000, 0.0000,

210.0105, 220.4481

0.0000

250.0990,
255.3418, 268.6554

■ 31.3479, 31.0498,
31.5351

■ 31.3479, 31.0498,
31.5351

■ 27.8633, 25.9991,
24.4587

■ 35.3578, 36.8505,
39.7125

■ 24.8799, 21.6637,
18.4343

■ 39.9109, 43.4255,
49.0330

■ 22.3753, 18.0126,
13.4124

■ 45.0272, 50.8035,
59.5388

■ 20.3245, 15.0109,
9.3385

■ 50.7251, 59.0102,
71.2697

■ 18.7005, 12.6205,
6.1531

■ 57.0221, 68.0704,
84.2632

■ 17.4730, 10.7994,
3.7899

■ 63.9350, 78.0076,
98.5555

■ 16.6080, 9.5002,
2.1734

■ 69.5360, 86.8470,
107.7060

■ 16.0656, 8.6680,
1.2139

■ 15.8164, 8.2878,
0.7661

Harmonies

Analogous

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



31.5200, 31.0498, 34.3733



31.3479, 31.0498, 31.5351



30.6791, 31.0498, 29.4220

Triad

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



31.3479, 31.0498, 31.5351



27.9379, 31.0498, 30.6146



29.3160, 31.0498, 39.7510

Complementary

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



31.3479, 31.0498, 31.5351



32.1918, 35.7735, 41.2849

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.



28.3747, 31.0498, 38.6094



31.3479, 31.0498, 31.5351



27.5910, 31.0498, 33.2489

Square

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



31.3479, 31.0498, 31.5351



28.7072, 31.0498, 28.9126



27.7490, 31.0498, 36.1875



30.3315, 31.0498, 39.2269

Rectangle

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



31.3479, 31.0498, 31.5351



30.0495, 31.0498, 28.6525



27.7490, 31.0498, 36.1875



28.9807, 31.0498, 39.5474

Sweetspot

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



31.3488, 31.0512, 31.5358



62.6177, 64.6347, 68.9016



32.7966, 31.3818, 39.9263



13.8891, 14.2854, 15.1667



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3488, 31.0512, 31.5358



55.4148, 54.2112, 54.2236



32.9715, 34.2966, 32.0767



7.5602, 7.6004, 7.8578



12.2752, 6.4476, 0.5975



0.3078, 0.1752, 0.0176

Inverse Universe

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



32.1918, 35.7735, 41.2849



57.1986, 64.2036, 74.8531



30.4587, 32.3072, 40.7072



7.7148, 8.4666, 9.6459



14.7858, 21.0318, 31.2557



0.3692, 0.5305, 0.7636

Previews

White Background



This preview shows how the XYZ color 31.3479, 31.0498, 31.5351 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 31.3479, 31.0498, 31.5351 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 31.3479, 31.0498, 31.5351

Background



This preview shows how black text looks on a background with the XYZ color 31.3479, 31.0498, 31.5351.



This preview shows how white text looks on a background with the XYZ color 31.3479, 31.0498,

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

31.3479, 31.0498, 31.5351

Protanopia

29.9295, 31.2399, 32.4694

Deuteranopia

31.6156, 30.9579, 31.5033



Tritanopia

32.1476, 30.9006, 36.1683

Trichromacy



Original Color

31.3479, 31.0498, 31.5351

Protanomaly

30.4709, 31.2902, 32.0374

Deuteranomaly

31.4035, 30.8486, 31.4934

Tritanomaly

31.9650, 31.0732, 34.4500

Monochromacy



Original Color

31.3479, 31.0498, 31.5351

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6722, 31.6043, 33.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3479, 31.0498, 31.5351 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(166, 147, 146)` looks like.

```
.text, #text, p{  
    color:rgb(166, 147, 146)  
}
```

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(166, 147, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 147, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.3479, 31.0498, 31.5351 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(166, 147, 146) }
```


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

```
.border{ border-color:rgb(166, 147, 146) }
```

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

Here you see how a box with a 4 pixel rgb(166, 147, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 147, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 147, 146);  
box-shadow:4px 4px 4px 4px rgb(166, 147,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3479, 31.0498, 31.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 147, 146) }
```

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

```
.background{ background-color: rgb(166,  
147, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor