

Converting Colors

XYZ(31.1648, 33.9541, 28.5056)

Have a look what the booklet for
XYZ(31.1648, 33.9541, 28.5056)
contains.

XYZ(31.2116, 33.9733, 28.5794)	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(31.2116, 33.9733,
28.5794)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9F89
RGB	159, 159, 137
RGB Percent	62%, 62%, 54%
CMY	0.3765, 0.3765, 0.4627
CMYK	0.00, 0.00, 0.14, 0.38
HSL	60°, 10%, 58%
HSV	60°, 14%, 62%
XYZ	31.2116, 33.9733, 28.5794
YIQ	156.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

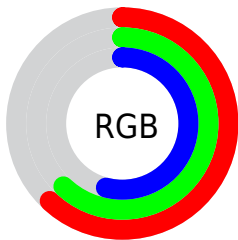
Format	Color
RYB	137, 159, 137
Decimal	10461065
CIELab	64.94, -3.93, 11.50
CIELCh	65, 12.153, 108.868
Yxy	33.9733, 0.3329, 0.3623
Android (android.graphics.Color)	4288651145 (0xFF9F9F89)
YUV	156.4920, -9.6096, 2.1995
Hunter-Lab	58.2866, -6.4175, 11.7293

Details

The XYZ color **31.2116, 33.9733, 28.5794** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.5214, 25.7138, 36.4208**, and the grayscale version is **31.8600, 33.5192, 36.5025**.

A 20% lighter version of the original color is **61.0724, 66.1070, 58.2563**, and **13.1463, 14.5390, 11.1303** is the 20% darker color. If you saturate the color by 10%, you get **30.1540, 33.5514, 23.0084**, and if you desaturate by 10%, it is **32.4391, 34.4655, 35.0372**.

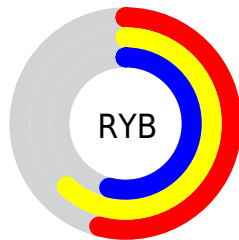
Distribution



Red (62%)

Green (62%)

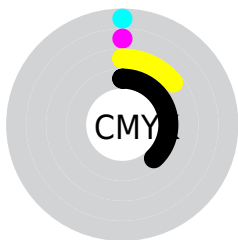
Blue (54%)



Red (54%)

Yellow (62%)

Blue (54%)

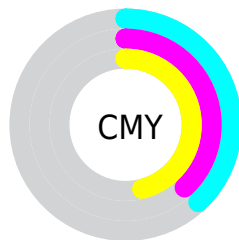


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2116, 33.9733, 28.5794 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 31.2116, 33.9733, 28.5794 by changing the saturation by 10% instead.

■ 31.2116, 33.9733,
28.5794

■ 31.2116, 33.9733,
28.5794

299.3215,
320.0130, 309.2238

■ 20.9126, 22.8731,
18.5200

■ 60.9466, 65.8921,
58.4424

■ 13.1723, 14.4998,
11.1507

■ 81.1134, 87.4796,
79.0830

■ 7.6251, 8.4691,
6.0528

■ 105.3002,
113.3315, 104.0879

■ 3.9058, 4.3966,
2.8079

133.8724,
143.8324, 133.8755

■ 1.6490, 1.8978,
0.9974

167.1952,
179.3666, 168.8643

■ 0.4240, 0.5470,
0.0000

205.6341,

■ 0.0000, 0.0000,

220.3185, 209.4730

0.0000

249.5544,
267.0725, 256.1200

■ 31.2116, 33.9733,
28.5794

■ 31.2116, 33.9733,
28.5794

■ 30.1540, 33.5514,
23.0084

■ 32.4391, 34.4655,
35.0372

■ 29.2564, 33.1922,
18.2835

■ 33.8407, 35.0262,
42.4159

■ 28.5116, 32.8943,
14.3639

■ 35.4239, 35.6595,
50.7504

■ 27.9113, 32.6541,
11.2048

■ 37.1946, 36.3678,
60.0730

■ 27.4461, 32.4680,
8.7569

■ 39.1590, 37.1536,
70.4148

■ 27.1054, 32.3317,
6.9651

■ 41.3224, 38.0190,
81.8054

■ 26.8773, 32.2404,
5.7661

■ 43.6904, 38.9663,
94.2729

■ 26.7475, 32.1884,
5.0846

■ 44.7503, 39.3903,
99.8522

■ 26.6935, 32.1668,
4.8019

■ 44.7508, 39.3905,
99.8523

Harmonies

Analogous

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



32.9465, 33.9733, 28.2962



31.2116, 33.9733, 28.5794



29.8151, 33.9733, 30.9915

Triad

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



31.2116, 33.9733, 28.5794



30.1215, 33.9733, 44.7579



35.7159, 33.9733, 38.8884

Complementary

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



31.2116, 33.9733, 28.5794



25.5214, 25.7138, 36.4208

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.



34.8994, 33.9733, 43.7191



31.2116, 33.9733, 28.5794



31.6435, 33.9733, 47.3065

Square

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



31.2116, 33.9733, 28.5794



29.2017, 33.9733, 40.2052



33.3942, 33.9733, 46.9100



35.5900, 33.9733, 33.9531

Rectangle

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



31.2116, 33.9733, 28.5794



29.2443, 33.9733, 33.6154



33.3942, 33.9733, 46.9100



35.5414, 33.9733, 40.5856

Sweetspot

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



31.2125, 33.9748, 28.5801



58.0365, 61.6989, 62.4506



27.7601, 27.0692, 27.4292



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.



31.2125, 33.9748, 28.5801



55.2016, 60.5649, 47.5273



29.1275, 32.8999, 28.4825



7.1701, 7.7203, 7.0979



21.0823, 25.4051, 3.7925



0.3770, 0.4543, 0.0678

Inverse Universe

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



25.5214, 25.7138, 36.4208



42.7439, 42.4816, 64.6904



27.4174, 26.6912, 36.5095



6.2848, 6.4353, 8.3176



4.9430, 1.9772, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.2116, 33.9733, 28.5794 looks on a white background.

Color Contrast Check

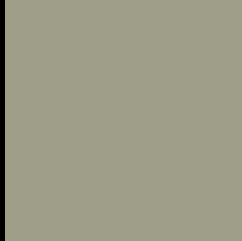
Large Text (above 18pt) WCAG AA × Fail

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 31.2116, 33.9733, 28.5794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

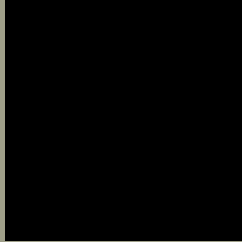
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

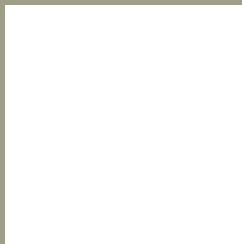
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2116, 33.9733, 28.5794

Background



This preview shows how black text looks on a background with the XYZ color 31.2116, 33.9733, 28.5794.



This preview shows how white text looks on a background with the XYZ color 31.2116, 33.9733,

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

31.2116, 33.9733, 28.5794

Protanopia

32.0180, 33.8908, 28.1466

Deuteranopia

34.6381, 33.9947, 28.7808



Tritanopia

33.8007, 34.0192, 41.3441

Trichromacy



Original Color

31.2116, 33.9733, 28.5794

Protanomaly

31.7751, 34.0178, 28.1839

Deuteranomaly

33.3220, 34.0483, 28.8605

Tritanomaly

32.7895, 33.8586, 36.2597

Monochromacy



Original Color

31.2116, 33.9733, 28.5794

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3864, 33.4520, 33.2364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2116, 33.9733, 28.5794 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 137) }
```

Border

The CSS property to change the border of an element to XYZ 31.2116, 33.9733, 28.5794 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, 137) }
```


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

```
.border{ border-color:rgb(159, 159, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 137);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2116, 33.9733, 28.5794 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, 137) }
```

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

```
.background{ background-color: rgb(159,  
159, 137) }
```

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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