

Converting Colors

XYZ(29.1222, 31.6934, 33.0000)

Have a look what the booklet for
XYZ(29.1222, 31.6934, 33.0000)
contains.

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Color

**XYZ(29.1788, 31.8157,
33.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	939B95
RGB	147, 155, 149
RGB Percent	58%, 61%, 58%
CMY	0.4235, 0.3921, 0.4157
CMYK	0.05, 0.00, 0.04, 0.39
HSL	135°, 4%, 59%
HSV	135°, 5%, 61%
XYZ	29.1788, 31.8157, 33.0369
YIQ	151.9240, -2.8420, -3.5620

Conversions

Conversions Part 2

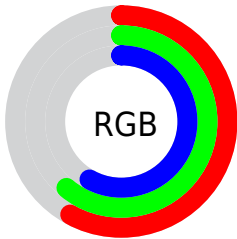
Format	Color
RYB	147, 153, 155
Decimal	9673621
CIELab	63.19, -4.04, 2.14
CIELCh	63, 4.573, 152.067
Yxy	31.8157, 0.3103, 0.3384
Android (android.graphics.Color)	4287863701 (0xFF939B95)
YUV	151.9240, -1.4415, -4.3183
Hunter-Lab	56.4054, -6.3705, 4.7574

Details

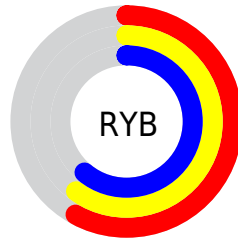
The XYZ color **29.1788, 31.8157, 33.0369** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7023, 30.1367, 34.3901**, and the grayscale version is **29.8199, 31.3729, 34.1650**.

A 20% lighter version of the original color is **57.6674, 62.3302, 65.4915**, and **11.9788, 13.2693, 13.4851** is the 20% darker color. If you saturate the color by 10%, you get **25.7021, 30.1262, 28.2683**, and if you desaturate by 10%, it is **33.1246, 33.7381, 38.3126**.

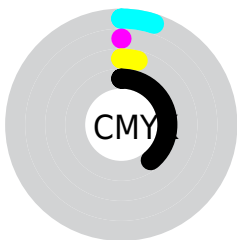
Distribution



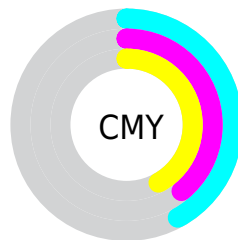
- Red (58%)
- Green (61%)
- Blue (58%)



- Red (58%)
- Yellow (60%)
- Blue (61%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (39%)



- Cyan (42%)
- Magenta (39%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1788, 31.8157, 33.0369 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 29.1788, 31.8157, 33.0369 by changing the saturation by 10% instead.

■ 29.1788, 31.8157,
33.0369

■ 29.1788, 31.8157,
33.0369

290.0367,
310.2789, 330.4531

■ 19.3611, 21.2208,
21.8834

■ 57.7566, 62.5221,
65.5498

■ 12.0370, 13.2855,
13.5737

■ 77.2475, 83.4023,
87.7463

■ 6.8413, 7.6254,
7.6894

100.6934,
108.4797, 114.4608

■ 3.4085, 3.8562,
3.8120

128.4597,
138.1387, 146.1119

■ 1.3733, 1.5935,
1.5228

160.9119,
172.7638, 183.1181

■ 0.2371, 0.3532,
0.2348

198.4152,

■ 0.0000, 0.0000,

212.7392, 225.8981

0.0000

241.3350,
258.4494, 274.8702

■ 29.1788, 31.8157,
33.0369

■ 29.1788, 31.8157,
33.0369

■ 25.7021, 30.1262,
28.2683

■ 33.1246, 33.7381,
38.3126

■ 22.6741, 28.6568,
23.9898

■ 37.5533, 35.8975,
44.1075

■ 20.0772, 27.3995,
20.1863

■ 42.4818, 38.3032,
50.4361

■ 17.8911, 26.3444,
16.8414

■ 47.9250, 40.9628,
57.3117

■ 16.0944, 25.4806,
13.9377

■ 53.8974, 43.8833,
64.7470

■ 14.6633, 24.7962,
11.4567

■ 60.4130, 47.0717,
72.7543

■ 13.5715, 24.2782,
9.3783

■ 67.2993, 50.4389,
81.3368

■ 12.7888, 23.9115,
7.6813

■ 68.9910, 51.1156,
90.2452

■ 12.2773, 23.6769,
6.3417

■ 70.7938, 51.8367,
99.7384

Harmonies

Analogous

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



29.5992, 31.8157, 31.7753



29.1788, 31.8157, 33.0369



29.0415, 31.8157, 34.7676

Triad

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



29.1788, 31.8157, 33.0369



30.2837, 31.8157, 38.2379



31.2815, 31.8157, 32.8267

Complementary

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



29.1788, 31.8157, 33.0369



29.7023, 30.1367, 34.3901

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.



31.4707, 31.8157, 34.5165



29.1788, 31.8157, 33.0369



30.8897, 31.8157, 37.6759

Square

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



29.1788, 31.8157, 33.0369



29.6741, 31.8157, 37.8088



31.3264, 31.8157, 36.2980



30.8127, 31.8157, 31.6569

Rectangle

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



29.1788, 31.8157, 33.0369



29.1275, 31.8157, 35.9660



31.3264, 31.8157, 36.2980



31.3802, 31.8157, 33.3507

Sweetspot

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



29.1797, 31.8171, 33.0376



54.3706, 58.0076, 62.0162



30.1512, 32.3362, 32.2566



12.3255, 13.1390, 14.0626



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.



29.1797, 31.8171, 33.0376



51.6252, 56.6715, 58.3102



29.4938, 31.9427, 34.6917



6.4137, 7.0573, 7.2380



9.7188, 18.9510, 4.7397



0.1582, 0.2885, 0.1388

Inverse Universe

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



29.7023, 30.1367, 34.3901



52.7270, 53.1286, 61.1619



29.3878, 30.0110, 32.7342



6.5584, 6.5922, 7.6124



13.4174, 6.6212, 13.9892



0.2147, 0.1046, 0.2835

Previews

White Background



This preview shows how the XYZ color 29.1788, 31.8157, 33.0369 looks on a white background.

Color Contrast Check

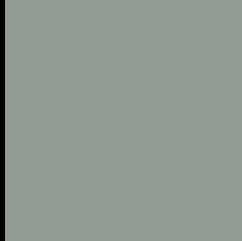
Large Text (above 18pt) WCAG AA × Fail

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 29.1788, 31.8157, 33.0369 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

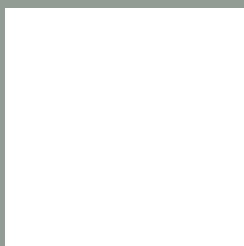
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1788, 31.8157, 33.0369

Background



This preview shows how black text looks on a background with the XYZ color 29.1788, 31.8157, 33.0369.



This preview shows how white text looks on a background with the XYZ color 29.1788, 31.8157,

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

29.1788, 31.8157, 33.0369

Protanopia

30.3993, 31.7312, 32.1263

Deuteranopia

32.2434, 31.7066, 33.2747



Tritanopia

30.7604, 31.9831, 40.1494

Trichromacy



Original Color

29.1788, 31.8157, 33.0369

Protanomaly

29.8734, 31.6929, 32.5598

Deuteranomaly

31.0688, 31.8088, 33.3564

Tritanomaly

30.2080, 32.0040, 37.3861

Monochromacy



Original Color

29.1788, 31.8157, 33.0369

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5548, 31.5009, 33.8007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1788, 31.8157, 33.0369 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(147, 155, 149) looks like.

```
.text, #text, p{  
    color:rgb(147, 155, 149)  
}
```

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(147, 155, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 155, 149) }
```

Border

The CSS property to change the border of an element to XYZ 29.1788, 31.8157, 33.0369 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(147, 155, 149) }
```


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

```
.border{ border-color:rgb(147, 155, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 155, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 155, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 155, 149);  
box-shadow:4px 4px 4px 4px rgb(147, 155,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1788, 31.8157, 33.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 155, 149) }
```

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

```
.background{ background-color: rgb(147,  
155, 149) }
```

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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