

Converting Colors

XYZ(29.4843, 31.2058, 33.1795)

Have a look what the booklet for
XYZ(29.4843, 31.2058, 33.1795)
contains.

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Color

**XYZ(29.4958, 31.2378,
33.3291)**

Conversions

Conversions Part 1

Format	Color
Hex	979896
RGB	151, 152, 150
RGB Percent	59%, 60%, 59%
CMY	0.4078, 0.4039, 0.4118
CMYK	0.01, 0.00, 0.01, 0.40
HSL	90°, 1%, 59%
HSV	90°, 1%, 60%
XYZ	29.4958, 31.2378, 33.3291
YIQ	151.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

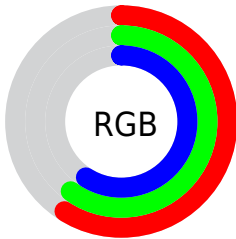
Format	Color
RYB	150, 152, 151
Decimal	9934998
CIELab	62.71, -0.74, 0.92
CIELCh	63, 1.179, 129.091
Yxy	31.2378, 0.3136, 0.3321
Android (android.graphics.Color)	4288125078 (0xFF979896)
YUV	151.4730, -0.7262, -0.4148
Hunter-Lab	55.8908, -3.6073, 3.7674

Details

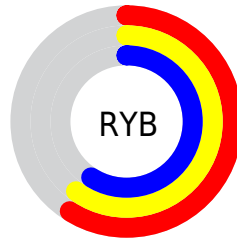
The XYZ color **29.4958, 31.2378, 33.3291** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3375, 30.6598, 34.0790**, and the grayscale version is **29.6219, 31.1646, 33.9382**.

A 20% lighter version of the original color is **58.1472, 61.4814, 65.9291**, and **12.1613, 12.9175, 13.6567** is the 20% darker color. If you saturate the color by 10%, you get **26.9837, 30.0760, 27.2313**, and if you desaturate by 10%, it is **32.2597, 32.5128, 40.2689**.

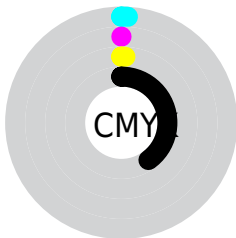
Distribution



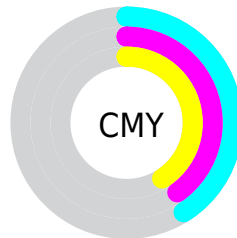
- Red (59%)
- Green (60%)
- Blue (59%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4958, 31.2378, 33.3291 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 29.4958, 31.2378, 33.3291 by changing the saturation by 10% instead.

■ 29.4958, 31.2378,
33.3291

■ 29.4958, 31.2378,
33.3291

291.4993,
307.6324, 331.8075

■ 19.6024, 20.7800,
22.1055

■ 58.2560, 61.6143,
66.0109

■ 12.2129, 12.9633,
13.7354

■ 77.8535, 82.3017,
88.3062

■ 6.9621, 7.4033,
7.8002

101.4164,
107.1679, 115.1292

■ 3.4845, 3.7156,
3.8814

129.3101,
136.5970, 146.8983

■ 1.4149, 1.5158,
1.5605

161.8998,
170.9737, 184.0321

■ 0.2668, 0.2998,
0.2624

199.5510,

■ 0.0000, 0.0000,

210.6822, 226.9493

0.0000

242.6291,
256.1070, 276.0682

■ 29.4958, 31.2378,
33.3291

■ 29.4958, 31.2378,
33.3291

■ 26.9837, 30.0760,
27.2313

■ 32.2597, 32.5128,
40.2689

■ 24.7129, 29.0201,
21.9414

■ 35.2800, 33.9001,
48.0789

■ 22.6761, 28.0680,
17.4260

■ 38.5649, 35.4041,
56.7886

■ 20.8647, 27.2158,
13.6487

■ 42.1209, 37.0277,
66.4254

■ 19.2691, 26.4598,
10.5701

■ 45.9547, 38.7737,
77.0157

■ 17.8795, 25.7956,
8.1471

■ 50.0725, 40.6447,
88.5846

■ 16.6846, 25.2186,
6.3318

■ 54.2536, 42.5526,
99.9617

■ 15.6721, 24.7235,
5.0699

■ 56.3942, 43.6561,
100.0619

■ 14.8277, 24.3044,
4.2972

■ 58.6381, 44.8129,
100.1669

Harmonies

Analogous

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



29.6417, 31.2378, 33.1446



29.4958, 31.2378, 33.3291



29.4023, 31.2378, 33.6972

Triad

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



29.4958, 31.2378, 33.3291



29.5802, 31.2378, 34.8477



29.9974, 31.2378, 33.8727

Complementary

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



29.4958, 31.2378, 33.3291



29.3375, 30.6598, 34.0790

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.



29.9807, 31.2378, 34.3301



29.4958, 31.2378, 33.3291



29.7395, 31.2378, 34.8957

Square

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



29.4958, 31.2378, 33.3291



29.4509, 31.2378, 34.5748



29.8862, 31.2378, 34.7055



29.9315, 31.2378, 33.4566

Rectangle

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



29.4958, 31.2378, 33.3291



29.3821, 31.2378, 33.9986



29.8862, 31.2378, 34.7055



30.0012, 31.2378, 34.0267

Sweetspot

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



29.4967, 31.2391, 33.3298



52.6788, 55.4222, 60.3547



29.5217, 31.0118, 33.2846



11.9732, 12.5967, 13.7178



72.9764, 76.7769, 83.6100

Same Dimension

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



29.4967, 31.2391, 33.3298



51.7272, 54.9827, 58.0017



29.3118, 31.1439, 33.3211



6.8474, 7.2713, 7.6938



11.9435, 20.1330, 3.2566



0.2205, 0.3226, 0.0506

Inverse Universe

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



29.3375, 30.6598, 34.0790



51.2944, 53.4076, 60.0389



29.5239, 30.7559, 34.0878



6.7956, 7.0826, 7.9379



7.2929, 3.2107, 25.1430



0.1509, 0.0696, 0.3779

Previews

White Background



This preview shows how the XYZ color 29.4958, 31.2378, 33.3291 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 29.4958, 31.2378, 33.3291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

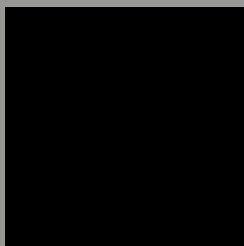
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4958, 31.2378, 33.3291

Background



This preview shows how black text looks on a background with the XYZ color 29.4958, 31.2378, 33.3291.



This preview shows how white text looks on a background with the XYZ color 29.4958, 31.2378,

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

29.4958, 31.2378, 33.3291

Protanopia

30.0090, 31.2717, 32.8882

Deuteranopia

31.7455, 31.2088, 33.6289



Tritanopia

30.5648, 31.1936, 38.5925

Trichromacy



Original Color

29.4958, 31.2378, 33.3291

Protanomaly

29.8179, 31.1732, 32.8792

Deuteranomaly

31.0313, 31.3063, 33.6854

Tritanomaly

30.1871, 31.2772, 36.7938

Monochromacy



Original Color

29.4958, 31.2378, 33.3291

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4150, 30.9469, 33.7012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4958, 31.2378, 33.3291 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(151, 152, 150)` looks like.

```
.text, #text, p{  
    color:rgb(151, 152, 150)  
}
```

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(151, 152, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 152, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.4958, 31.2378, 33.3291 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(151, 152, 150) }
```

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

```
.border{ border-color:rgb(151, 152, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 152, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 152, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 152, 150);  
box-shadow:4px 4px 4px 4px rgb(151, 152,  
150) }
```


Background

The CSS property to change the background color of an element to XYZ 29.4958, 31.2378, 33.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 152, 150) }
```

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

```
.background{ background-color: rgb(151,  
152, 150) }
```

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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