

Converting Colors

XYZ(31.1708, 29.8953, 36.8103)

Have a look what the booklet for
XYZ(31.1708, 29.8953, 36.8103)
contains.

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Color

**XYZ(31.1847, 29.9347,
36.9352)**

Conversions

Conversions Part 1

Format	Color
Hex	A38F9F
RGB	163, 143, 159
RGB Percent	64%, 56%, 62%
CMY	0.3608, 0.4392, 0.3765
CMYK	0.00, 0.12, 0.02, 0.36
HSL	312°, 10%, 60%
HSV	312°, 12%, 64%
XYZ	31.1847, 29.9347, 36.9352
YIQ	150.8040, 6.7840, 9.2160

Conversions

Conversions Part 2

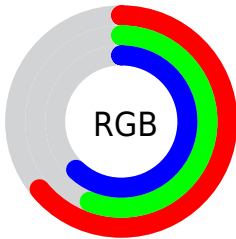
Format	Color
R_{YB}	163, 143, 159
Decimal	10719135
CIE _{Lab}	61.60, 10.38, -5.69
CIE _{LCh}	62, 11.842, 331.257
Yxy	29.9347, 0.3180, 0.3053
Android (android.graphics.Color)	4288909215 (0xFFA38F9F)
YUV	150.8040, 4.0406, 10.6959
Hunter-Lab	54.7126, 5.9931, -1.7265

Details

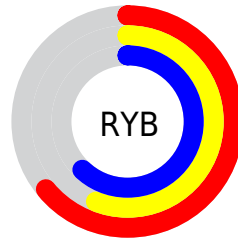
The XYZ color **31.1847, 29.9347, 36.9352** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6925, 34.1414, 32.6304**, and the grayscale version is **29.3136, 30.8402, 33.5850**.

A 20% lighter version of the original color is **61.0173, 59.6930, 71.9243**, and **13.1767, 12.2909, 15.8653** is the 20% darker color. If you saturate the color by 10%, you get **28.6344, 25.2805, 34.7078**, and if you desaturate by 10%, it is **34.0998, 35.3056, 39.3217**.

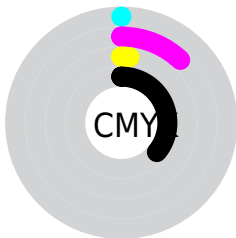
Distribution



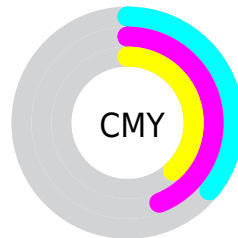
- Red (64%)
- Green (56%)
- Blue (62%)



- Red (64%)
- Yellow (56%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1847, 29.9347, 36.9352 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 31.1847, 29.9347, 36.9352 by changing the saturation by 10% instead.

■ 31.1847, 29.9347,
36.9352

■ 31.1847, 29.9347,
36.9352

299.2000,
301.6000, 348.1901

■ 20.8920, 19.7890,
24.8619

■ 60.9046, 59.5589,
71.6583

■ 13.1571, 12.2418,
15.7561

■ 81.0626, 79.8062,
95.1453

■ 7.6146, 6.9086,
9.1993

■ 105.2397,
104.1895, 123.2738

■ 3.8990, 3.4050,
4.7728

133.8013,
133.0932, 156.4626

■ 1.6452, 1.3466,
2.0582

167.1128,
166.9017, 195.1300

■ 0.4216, 0.1769,
0.5907

205.5395,

■ 0.0000, 0.0000,

205.9994, 239.6948

0.0000

249.4468,
250.7707, 290.5753

■ 31.1847, 29.9347,
36.9352

■ 31.1847, 29.9347,
36.9352

■ 28.6344, 25.2805,
34.7078

■ 34.0998, 35.3056,
39.3217

■ 26.4309, 21.3086,
32.6322

■ 37.3914, 41.4180,
41.8706

■ 24.5587, 17.9875,
30.7032

■ 41.0741, 48.3003,
44.5871

■ 23.0000, 15.2816,
28.9148

■ 45.1607, 55.9783,
47.4759

■ 21.7353, 13.1522,
27.2600

■ 49.6635, 64.4766,
50.5414

■ 20.7429, 11.5559,
25.7315

■ 54.5945, 73.8186,
53.7878

■ 19.9980, 10.4432,
24.3205

■ 59.2897, 82.6767,
56.9941

■ 19.4712, 9.7556,
23.0170

■ 59.6303, 82.8130,
58.7875

■ 19.1603, 9.4090,
22.0650

■ 59.9788, 82.9524,
60.6225

Harmonies

Analogous

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



30.0490, 29.9347, 40.5659



31.1847, 29.9347, 36.9352



31.5814, 29.9347, 32.4043

Triad

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



31.1847, 29.9347, 36.9352



28.3858, 29.9347, 24.6844



25.9462, 29.9347, 37.2939

Complementary

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



31.1847, 29.9347, 36.9352



29.6925, 34.1414, 32.6304

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.



25.5365, 29.9347, 32.7841



31.1847, 29.9347, 36.9352



26.9127, 29.9347, 25.7412

Square

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



31.1847, 29.9347, 36.9352



29.9301, 29.9347, 25.5793



25.8839, 29.9347, 28.6067



27.0235, 29.9347, 40.7861

Rectangle

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



31.1847, 29.9347, 36.9352



31.3623, 29.9347, 29.5557



25.8839, 29.9347, 28.6067



25.7276, 29.9347, 35.8333

Sweetspot

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



31.1856, 29.9360, 36.9358



60.0774, 61.3949, 69.6284



28.4672, 28.4939, 38.6502



13.4048, 13.6259, 15.5671



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.1856, 29.9360, 36.9358



54.4078, 50.9705, 64.9181



30.3526, 29.6028, 32.5492



7.3033, 7.1778, 8.5837



14.9073, 7.3190, 17.2343



0.3278, 0.1596, 0.4390

Inverse Universe

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



31.1856, 29.9360, 36.9358



54.4078, 50.9705, 64.9181



30.5117, 34.4690, 36.9441



7.3033, 7.1778, 8.5837



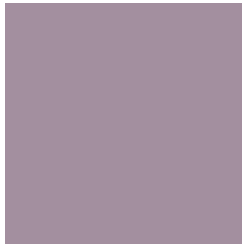
14.9073, 7.3190, 17.2343



0.3278, 0.1596, 0.4390

Previews

White Background



This preview shows how the XYZ color 31.1847, 29.9347, 36.9352 looks on a white background.

Color Contrast Check

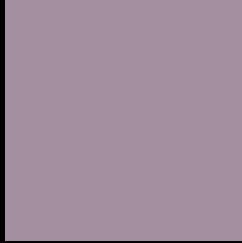
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1847, 29.9347, 36.9352 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 × Fail

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

XYZ 31.1847, 29.9347, 36.9352

Background



This preview shows how black text looks on a background with the XYZ color 31.1847, 29.9347, 36.9352.



This preview shows how white text looks on a background with the XYZ color 31.1847, 29.9347,

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

31.1847, 29.9347, 36.9352

Protanopia

29.3242, 30.0843, 38.4437

Deuteranopia

30.6815, 30.1249, 36.9985



Tritanopia

30.7899, 29.9945, 35.1770

Trichromacy



Original Color

31.1847, 29.9347, 36.9352

Protanomaly

29.8488, 29.9033, 37.9169

Deuteranomaly

30.7285, 29.9233, 36.9571

Tritanomaly

30.8743, 30.0282, 35.6213

Monochromacy



Original Color

31.1847, 29.9347, 36.9352

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9402, 30.4815, 34.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1847, 29.9347, 36.9352 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(163, 143, 159)` looks like.

```
.text, #text, p{  
    color:rgb(163, 143, 159)  
}
```

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(163, 143, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 143, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.1847, 29.9347, 36.9352 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(163, 143, 159) }
```


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

```
.border{ border-color:rgb(163, 143, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 143, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 143, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 143, 159);  
box-shadow:4px 4px 4px 4px rgb(163, 143,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1847, 29.9347, 36.9352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 143, 159) }
```

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

```
.background{ background-color: rgb(163,  
143, 159) }
```

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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