

Converting Colors

XYZ(31.7484, 30.3470, 38.4617)

Have a look what the booklet for
XYZ(31.7484, 30.3470, 38.4617)
contains.

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Color

**XYZ(31.8047, 30.4477,
38.3831)**

Conversions

Conversions Part 1

Format	Color
Hex	A490A2
RGB	164, 144, 162
RGB Percent	64%, 56%, 64%
CMY	0.3569, 0.4353, 0.3647
CMYK	0.00, 0.12, 0.01, 0.36
HSL	306°, 10%, 60%
HSV	306°, 12%, 64%
XYZ	31.8047, 30.4477, 38.3831
YIQ	152.0320, 6.1420, 9.8380

Conversions

Conversions Part 2

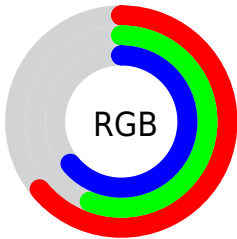
Format	Color
RYB	164, 144, 162
Decimal	10784930
CIELab	62.04, 10.75, -6.73
CIELCh	62, 12.687, 327.945
Yxy	30.4477, 0.3160, 0.3026
Android (android.graphics.Color)	4288975010 (0xFFA490A2)
YUV	152.0320, 4.9142, 10.4959
Hunter-Lab	55.1794, 6.3210, -2.6168

Details

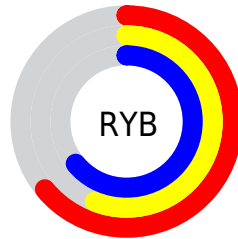
The XYZ color **31.8047, 30.4477, 38.3831** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9666, 34.5564, 32.2865**, and the grayscale version is **29.8372, 31.3911, 34.1849**.

A 20% lighter version of the original color is **61.9319, 60.4580, 74.0510**, and **13.4993, 12.5759, 16.4678** is the 20% darker color. If you saturate the color by 10%, you get **29.3544, 25.7785, 36.8519**, and if you desaturate by 10%, it is **34.6195, 35.8420, 40.0459**.

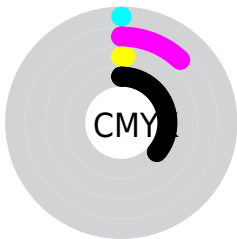
Distribution



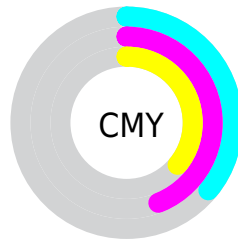
- Red (64%)
- Green (56%)
- Blue (64%)



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



- Cyan (0%)
- Magenta (12%)
- Yellow (1%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8047, 30.4477, 38.3831 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 31.8047, 30.4477, 38.3831 by changing the saturation by 10% instead.

■ 31.8047, 30.4477,
38.3831

■ 31.8047, 30.4477,
38.3831

301.9898,
303.9857, 354.6079

■ 21.3672, 20.1787,
25.9760

■ 61.8721, 60.3695,
73.9049

■ 13.5067, 12.5250,
16.5801

■ 82.2326, 80.7910,
97.8567

■ 7.8577, 7.1023,
9.7768

106.6316,
105.3654, 126.4938

■ 4.0551, 3.5261,
5.1475

135.4343,
134.4772, 160.2347

■ 1.7334, 1.4122,
2.2738

169.0061,
168.5108, 199.4980

■ 0.4770, 0.2257,
0.7165

207.7124,

■ 0.0000, 0.0000,

207.8504, 244.7023

0.0000

251.9185,
252.8806, 296.2661

■ 31.8047, 30.4477,
38.3831

■ 31.8047, 30.4477,
38.3831

■ 29.3544, 25.7785,
36.8519

■ 34.6195, 35.8420,
40.0459

■ 27.2505, 21.7995,
35.4452

■ 37.8108, 41.9865,
41.8432

■ 25.4772, 18.4788,
34.1580

■ 41.3931, 48.9101,
43.7804

■ 24.0166, 15.7803,
32.9843

■ 45.3795, 56.6389,
45.8617

■ 22.8489, 13.6647,
31.9175

■ 49.7825, 65.1978,
48.0914

■ 21.9521, 12.0880,
30.9502

■ 54.6141, 74.6106,
50.4736

■ 21.3013, 11.0001,
30.0740

■ 58.6598, 82.4485,
52.6033

■ 20.8666, 10.3415,
29.2790

■ 58.8201, 82.5126,
53.4476

■ 20.6235, 10.0180,
28.6969

■ 58.9824, 82.5776,
54.3022

Harmonies

Analogous

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



30.5015, 30.4477, 42.1466



31.8047, 30.4477, 38.3831



32.3371, 30.4477, 33.4898

Triad

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



31.8047, 30.4477, 38.3831



29.0572, 30.4477, 24.6355



26.1421, 30.4477, 37.7444

Complementary

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



31.8047, 30.4477, 38.3831



29.9666, 34.5564, 32.2865

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.



25.7889, 30.4477, 32.8172



31.8047, 30.4477, 38.3831



27.4320, 30.4477, 25.5385

Square

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



31.8047, 30.4477, 38.3831



30.7126, 30.4477, 25.8221



26.2520, 30.4477, 28.4198



27.2362, 30.4477, 41.7531

Rectangle

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



31.8047, 30.4477, 38.3831



32.1681, 30.4477, 30.3460



26.2520, 30.4477, 28.4198



25.9347, 30.4477, 36.1266

Sweetspot

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



31.8056, 30.4490, 38.3838



61.8266, 63.1134, 72.1028



28.5295, 28.7394, 39.1661



13.4328, 13.6371, 15.7143



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.



31.8056, 30.4490, 38.3838



56.2884, 52.5133, 68.7884



30.9517, 30.1074, 33.8870



7.3337, 7.1899, 8.7434



15.8228, 7.6852, 22.0554



0.3407, 0.1648, 0.5066

Inverse Universe

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



31.8056, 30.4490, 38.3838



56.2884, 52.5133, 68.7884



30.7789, 34.8813, 36.5640



7.3337, 7.1899, 8.7434



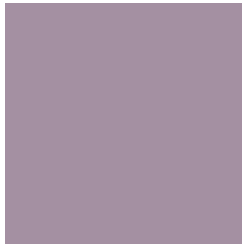
15.8228, 7.6852, 22.0554



0.3407, 0.1648, 0.5066

Previews

White Background



This preview shows how the XYZ color 31.8047, 30.4477, 38.3831 looks on a white background.

Color Contrast Check

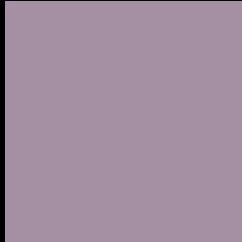
Large Text (above 18pt) WCAG AA × Fail

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 31.8047, 30.4477, 38.3831 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 31.8047, 30.4477, 38.3831

Background



This preview shows how black text looks on a background with the XYZ color 31.8047, 30.4477, 38.3831.



This preview shows how white text looks on a background with the XYZ color 31.8047, 30.4477,

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

31.8047, 30.4477, 38.3831

Protanopia

29.7517, 30.5074, 39.9177

Deuteranopia

31.0985, 30.5373, 38.4376



Tritanopia

31.2304, 30.4376, 35.6815

Trichromacy



Original Color

31.8047, 30.4477, 38.3831

Protanomaly

30.4610, 30.4178, 39.3877

Deuteranomaly

31.3449, 30.4365, 38.4052

Tritanomaly

31.4012, 30.5060, 36.5810

Monochromacy



Original Color

31.8047, 30.4477, 38.3831

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.4585, 30.9631, 35.8236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8047, 30.4477, 38.3831 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(164, 144, 162)` looks like.

```
.text, #text, p{  
    color:rgb(164, 144, 162)  
}
```

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(164, 144, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 144, 162) }
```

Border

The CSS property to change the border of an element to XYZ 31.8047, 30.4477, 38.3831 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(164, 144, 162) }
```


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

```
.border{ border-color:rgb(164, 144, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 144, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 144, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 144, 162);  
box-shadow:4px 4px 4px 4px rgb(164, 144,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8047, 30.4477, 38.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 144, 162) }
```

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

```
.background{ background-color: rgb(164,  
144, 162) }
```

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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