

Converting Colors

XYZ(33.7141, 31.0943, 41.2398)

Have a look what the booklet for
XYZ(33.7141, 31.0943, 41.2398)
contains.

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Color

**XYZ(33.6849, 31.1300,
41.2791)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8FA8
RGB	171, 143, 168
RGB Percent	67%, 56%, 66%
CMY	0.3294, 0.4392, 0.3412
CMYK	0.00, 0.16, 0.02, 0.33
HSL	306°, 14%, 62%
HSV	306°, 16%, 67%
XYZ	33.6849, 31.1300, 41.2791
YIQ	154.2220, 8.6630, 13.7110

Conversions

Conversions Part 2

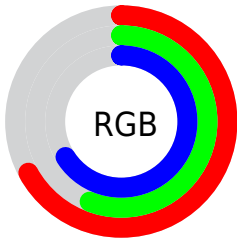
Format	Color
RYB	171, 143, 168
Decimal	11243432
CIELab	62.62, 14.97, -9.20
CIELCh	63, 17.572, 328.415
Yxy	31.1300, 0.3175, 0.2934
Android (android.graphics.Color)	4289433512 (0xFFAB8FA8)
YUV	154.2220, 6.7926, 14.7143
Hunter-Lab	55.7943, 10.1266, -4.8094

Details

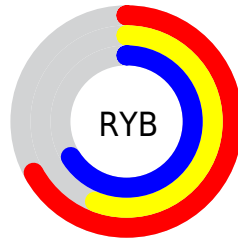
The XYZ color **33.6849, 31.1300, 41.2791** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.0801, 37.0416, 32.7074**, and the grayscale version is **30.7818, 32.3849, 35.2671**.

A 20% lighter version of the original color is **64.9641, 61.5911, 78.2763**, and **14.6745, 13.0116, 18.2611** is the 20% darker color. If you saturate the color by 10%, you get **31.1418, 26.3146, 39.5954**, and if you desaturate by 10%, it is **36.6236, 36.7317, 43.1072**.

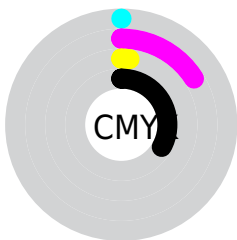
Distribution



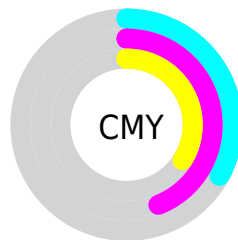
- Red (67%)
- Green (56%)
- Blue (66%)



- Red (67%)
- Yellow (56%)
- Blue (66%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6849, 31.1300, 41.2791 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 33.6849, 31.1300, 41.2791 by changing the saturation by 10% instead.

■ 33.6849, 31.1300,
41.2791

■ 33.6849, 31.1300,
41.2791

310.3354,
307.1368, 367.1969

■ 22.8134, 20.6979,
28.2159

■ 64.7909, 61.4447,
78.3657

■ 14.5757, 12.9033,
18.2480

■ 85.7561, 82.0960,
103.2261

■ 8.6065, 7.3620,
10.9569

110.8166,
106.9225, 132.8560

■ 4.5405, 3.6895,
5.9241

140.3377,
136.3086, 167.6740

■ 2.0122, 1.5014,
2.7309

174.6848,
170.6387, 208.0985

■ 0.6408, 0.2897,
0.9589

214.2232,

■ 0.0000, 0.0000,

210.2972, 254.5481

0.0000

259.3183,
255.6684, 307.4414

■ 33.6849, 31.1300,
41.2791

■ 33.6849, 31.1300,
41.2791

■ 31.1418, 26.3146,
39.5954

■ 36.6236, 36.7317,
43.1072

■ 28.9738, 22.2460,
38.0482

■ 39.9716, 43.1488,
45.0834

■ 27.1628, 18.8877,
36.6318

■ 43.7455, 50.4137,
47.2134

■ 25.6882, 16.1982,
35.3393

■ 47.9600, 58.5559,
49.5024

■ 24.5270, 14.1320,
34.1629

■ 52.6292, 67.6036,
51.9549

■ 23.6536, 12.6375,
33.0940

■ 57.7666, 77.5837,
54.5757

■ 23.0383, 11.6554,
32.1228

■ 60.8775, 83.5071,
56.5331

■ 22.6402, 11.1039,
31.2355

■ 61.0666, 83.5828,
57.5287

■ 22.5180, 10.9473,
30.9238

■ 61.2582, 83.6594,
58.5374

Harmonies

Analogous

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



31.8329, 31.1300, 46.8616



33.6849, 31.1300, 41.2791



34.4319, 31.1300, 34.2612

Triad

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



33.6849, 31.1300, 41.2791



29.7156, 31.1300, 22.3519



25.7216, 31.1300, 40.5630

Complementary

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



33.6849, 31.1300, 41.2791



31.0801, 37.0416, 32.7074

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.



25.2214, 31.1300, 33.5319



33.6849, 31.1300, 41.2791



27.4514, 31.1300, 23.5729

Square

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



33.6849, 31.1300, 41.2791



32.0650, 31.1300, 23.8602



25.8378, 31.1300, 27.4491



27.2422, 31.1300, 46.4105

Rectangle

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



33.6849, 31.1300, 41.2791



34.1737, 31.1300, 29.8993



25.8378, 31.1300, 27.4491



25.4323, 31.1300, 38.2324

Sweetspot

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



33.6858, 31.1314, 41.2798



66.3184, 67.1765, 77.6413



28.9930, 28.6795, 42.5361



14.7026, 14.8149, 17.2621



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.6858, 31.1314, 41.2798



58.4322, 52.1549, 72.6981



32.4675, 30.6440, 34.8641



8.2995, 8.1331, 9.8882



16.9867, 8.2572, 23.3732



0.4829, 0.2338, 0.7047

Inverse Universe

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



33.6858, 31.1314, 41.2798



58.4322, 52.1549, 72.6981



32.2193, 37.4973, 38.7066



8.2995, 8.1331, 9.8882



16.9867, 8.2572, 23.3732



0.4829, 0.2338, 0.7047

Previews

White Background



This preview shows how the XYZ color 33.6849, 31.1300, 41.2791 looks on a white background.

Color Contrast Check

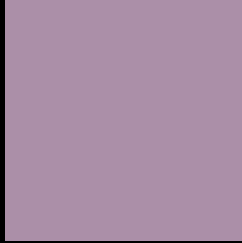
Large Text (above 18pt) WCAG AA × Fail

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 33.6849, 31.1300, 41.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

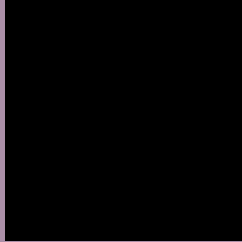
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6849, 31.1300, 41.2791

Background



This preview shows how black text looks on a background with the XYZ color 33.6849, 31.1300, 41.2791.



This preview shows how white text looks on a background with the XYZ color 33.6849, 31.1300,

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

33.6849, 31.1300, 41.2791

Protanopia

30.6619, 31.1257, 43.9270

Deuteranopia

31.7068, 31.0284, 40.8772



Tritanopia

32.4883, 31.0861, 35.7404

Trichromacy



Original Color

33.6849, 31.1300, 41.2791

Protanomaly

31.4947, 30.8756, 42.8277

Deuteranomaly

32.3582, 31.1343, 40.8633

Tritanomaly

32.8960, 31.0306, 37.5134

Monochromacy



Original Color

33.6849, 31.1300, 41.2791

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.6616, 31.7895, 37.2681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6849, 31.1300, 41.2791 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(171, 143, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 143, 168)  
}
```

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(171, 143, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 143, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.6849, 31.1300, 41.2791 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(171, 143, 168) }
```


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

```
.border{ border-color:rgb(171, 143, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 143, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 143, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 143, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 143,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6849, 31.1300, 41.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 143, 168) }
```

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

```
.background{ background-color: rgb(171,  
143, 168) }
```

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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