

Converting Colors

XYZ(34.0182, 31.3163, 42.8088)

Have a look what the booklet for
XYZ(34.0182, 31.3163, 42.8088)
contains.

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Color

**XYZ(33.9677, 31.2431,
42.7683)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8FAB
RGB	171, 143, 171
RGB Percent	67%, 56%, 67%
CMY	0.3294, 0.4392, 0.3294
CMYK	0.00, 0.16, 0.00, 0.33
HSL	300°, 14%, 62%
HSV	300°, 16%, 67%
XYZ	33.9677, 31.2431, 42.7683
YIQ	154.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

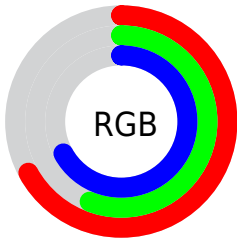
Format	Color
R_{YB}	171, 143, 171
Decimal	11243435
CIE _{Lab}	62.71, 15.55, -10.76
CIE _{LCh}	63, 18.907, 325.313
Yxy	31.2431, 0.3146, 0.2893
Android (android.graphics.Color)	4289433515 (0xFFAB8FAB)
YUV	154.5640, 8.1029, 14.4144
Hunter-Lab	55.8955, 10.6572, -6.2387

Details

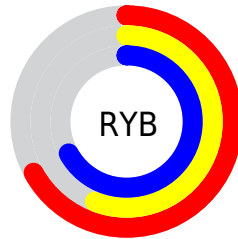
The XYZ color **33.9677, 31.2431, 42.7683** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.8497, 36.9495, 31.4942**, and the grayscale version is **30.9270, 32.5376, 35.4334**.

A 20% lighter version of the original color is **65.3723, 61.7544, 80.4258**, and **14.8519, 13.0825, 19.1952** is the 20% darker color. If you saturate the color by 10%, you get **31.5941, 26.4955, 41.9774**, and if you desaturate by 10%, it is **36.7344, 36.7761, 43.6909**.

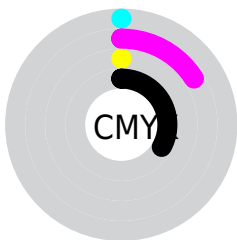
Distribution



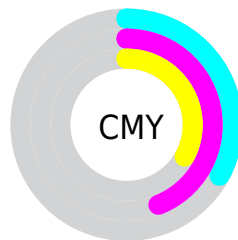
- Red (67%)
- Green (56%)
- Blue (67%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9677, 31.2431, 42.7683 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 33.9677, 31.2431, 42.7683 by changing the saturation by 10% instead.


 33.9677, 31.2431,
42.7683


 33.9677, 31.2431,
42.7683


311.5765,
307.6567, 373.5512

 23.0316, 20.7840,
29.3733


 65.2281, 61.6226,
80.6437

 14.7376, 12.9662,
19.1154


 86.2830, 82.3118,
105.9612

 8.7206, 7.4053,
11.5760


111.4416,
107.1799, 136.0899

 4.6150, 3.7168,
6.3367

141.0691,
136.6112, 171.4484

 2.0556, 1.5165,
2.9788

175.5310,
170.9902, 212.4553

 0.6649, 0.3003,
1.0838

215.1927,

 0.0000, 0.0000,

210.7011, 259.5290

0.0000

260.4193,
256.1285, 313.0881

■ 33.9677, 31.2431,
42.7683

■ 33.9677, 31.2431,
42.7683

■ 31.5941, 26.4955,
41.9774

■ 36.7344, 36.7761,
43.6909

■ 29.5933, 22.4938,
41.3105

■ 39.9081, 43.1233,
44.7489

■ 27.9471, 19.2014,
40.7617

■ 43.5052, 50.3175,
45.9479

■ 26.6348, 16.5769,
40.3242

■ 47.5405, 58.3881,
47.2930

■ 25.6337, 14.5746,
39.9905

■ 52.0280, 67.3631,
48.7889

■ 24.9180, 13.1433,
39.7519

■ 56.9812, 77.2696,
50.4400

■ 24.4580, 12.2232,
39.5985

■ 59.9056, 83.1184,
51.4149

■ 24.2129, 11.7330,
39.5168

■ 59.9056, 83.1184,
51.4149

■ 24.1455, 11.5983,
39.4943

■ 59.9056, 83.1184,
51.4149

Harmonies

Analogous

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



31.8692, 31.2431, 48.5579



33.9677, 31.2431, 42.7683



34.9234, 31.2431, 35.1936

Triad

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



33.9677, 31.2431, 42.7683



30.1032, 31.2431, 21.7245



25.4301, 31.2431, 40.4667

Complementary

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



33.9677, 31.2431, 42.7683



30.8497, 36.9495, 31.4942

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.



25.0175, 31.2431, 32.8697



33.9677, 31.2431, 42.7683



27.6232, 31.2431, 22.7163

Square

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



33.9677, 31.2431, 42.7683



32.6115, 31.2431, 23.6156



25.7977, 31.2431, 26.5516



26.9590, 31.2431, 47.0998

Rectangle

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



33.9677, 31.2431, 42.7683



34.7459, 31.2431, 30.4001



25.7977, 31.2431, 26.5516



25.1601, 31.2431, 37.9130

Sweetspot

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



33.9686, 31.2445, 42.7690



66.4770, 67.2399, 78.4767



28.5022, 28.4264, 42.5132



14.7427, 14.8309, 17.4733



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.



33.9686, 31.2445, 42.7690



59.0601, 52.4060, 76.0043



32.7039, 30.7386, 36.1089



8.3371, 8.1481, 10.0860



18.2019, 8.7433, 29.7725



0.5064, 0.2432, 0.8282

Inverse Universe

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



33.9686, 31.2445, 42.7690



59.0601, 52.4060, 76.0043



31.9775, 37.4006, 37.4330



8.3371, 8.1481, 10.0860



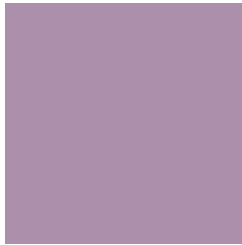
18.2019, 8.7433, 29.7725



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 33.9677, 31.2431, 42.7683 looks on a white background.

Color Contrast Check

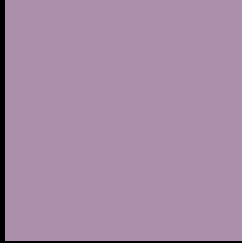
Large Text (above 18pt) WCAG AA × Fail

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 33.9677, 31.2431, 42.7683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

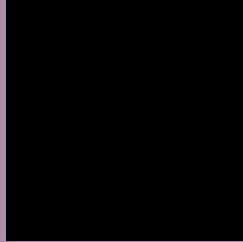
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9677, 31.2431, 42.7683

Background



This preview shows how black text looks on a background with the XYZ color 33.9677, 31.2431, 42.7683.



This preview shows how white text looks on a background with the XYZ color 33.9677, 31.2431,

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

33.9677, 31.2431, 42.7683

Protanopia

30.9357, 31.4709, 45.5183

Deuteranopia

31.9462, 31.3512, 42.3979



Tritanopia

32.5734, 31.1201, 36.1883

Trichromacy



Original Color

33.9677, 31.2431, 42.7683

Protanomaly

31.9402, 31.3037, 44.4032

Deuteranomaly

32.6388, 31.2466, 42.3412

Tritanomaly

33.0724, 31.1012, 38.4424

Monochromacy



Original Color

33.9677, 31.2431, 42.7683

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.1976, 32.2835, 38.2526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9677, 31.2431, 42.7683 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, 171)` looks like.

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

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, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 33.9677, 31.2431, 42.7683 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, 171) }
```


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

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

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, 171)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 33.9677, 31.2431, 42.7683 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, 171) }
```

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

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

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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