

Converting Colors

XYZ(34.2242, 31.8252, 42.8642)

Have a look what the booklet for
XYZ(34.2242, 31.8252, 42.8642)
contains.

XYZ(34.2707, 31.8490, 42.8693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.2707, 31.8490,
42.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	AB91AB
RGB	171, 145, 171
RGB Percent	67%, 57%, 67%
CMY	0.3294, 0.4314, 0.3294
CMYK	0.00, 0.15, 0.00, 0.33
HSL	300°, 13%, 62%
HSV	300°, 15%, 67%
XYZ	34.2707, 31.8490, 42.8693
YIQ	155.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

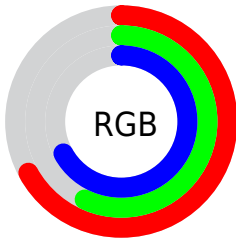
Format	Color
RYB	171, 145, 171
Decimal	11243947
CIELab	63.22, 14.42, -10.00
CIELCh	63, 17.549, 325.249
Yxy	31.8490, 0.3144, 0.2922
Android (android.graphics.Color)	4289434027 (0xFFAB91AB)
YUV	155.7380, 7.5242, 13.3848
Hunter-Lab	56.4349, 9.6349, -5.5336

Details

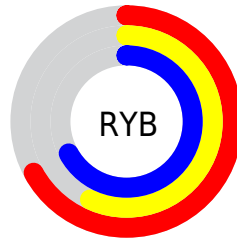
The XYZ color **34.2707, 31.8490, 42.8693** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **31.3521, 37.1909, 32.3159**, and the grayscale version is **31.4493, 33.0871, 36.0319**.

A 20% lighter version of the original color is **65.5149, 62.5066, 80.5635**, and **14.9402, 13.2593, 19.2246** is the 20% darker color. If you saturate the color by 10%, you get **31.8523, 27.0116, 42.0634**, and if you desaturate by 10%, it is **37.0843, 37.4757, 43.8077**.

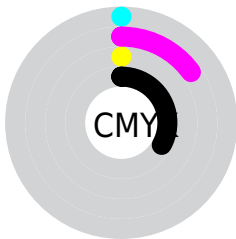
Distribution



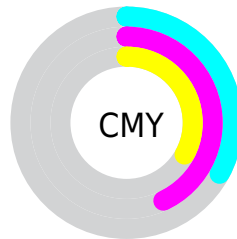
- Red (67%)
- Green (57%)
- Blue (67%)



- Red (67%)
- Yellow (57%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)




- Cyan (33%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2707, 31.8490, 42.8693 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 34.2707, 31.8490, 42.8693 by changing the saturation by 10% instead.


 34.2707, 31.8490,
42.8693


 34.2707, 31.8490,
42.8693

312.9021,
310.4308, 373.9794

 23.2655, 21.2462,
29.4519


 65.6959, 62.5743,
80.7978

 14.9115, 13.3041,
19.1745


 86.8466, 83.4656,
106.1461

 8.8432, 7.6383,
11.6183


112.1099,
108.5551, 136.3084

 4.6953, 3.8644,
6.3650

141.8511,
138.2273, 171.7033

 2.1025, 1.5980,
2.9959

176.4356,
172.8666, 212.7493

 0.6906, 0.3562,
1.0925

216.2287,

 0.0000, 0.0000,

212.8574, 259.8649

0.0000

261.5957,
258.5840, 313.4688

■ 34.2707, 31.8490,
42.8693

■ 34.2707, 31.8490,
42.8693

■ 31.8523, 27.0116,
42.0634

■ 37.0843, 37.4757,
43.8077

■ 29.8086, 22.9244,
41.3821

■ 40.3067, 43.9205,
44.8819

■ 28.1220, 19.5511,
40.8198

■ 43.9544, 51.2157,
46.0979

■ 26.7718, 16.8508,
40.3696

■ 48.0418, 59.3906,
47.4605

■ 25.7355, 14.7783,
40.0241

■ 52.5832, 68.4733,
48.9744

■ 24.9879, 13.2830,
39.7747

■ 57.5918, 78.4904,
50.6440

■ 24.4996, 12.3066,
39.6119

■ 59.9058, 83.1184,
51.4155

■ 24.2345, 11.7764,
39.5234

■ 59.9058, 83.1185,
51.4156

■ 24.1455, 11.5983,
39.4937

■ 59.9058, 83.1185,
51.4157

Harmonies

Analogous

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



32.3064, 31.8490, 48.2278



34.2707, 31.8490, 42.8693



35.1652, 31.8490, 35.7971

Triad

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



34.2707, 31.8490, 42.8693



30.6598, 31.8490, 22.9898



26.2432, 31.8490, 40.6982

Complementary

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



34.2707, 31.8490, 42.8693



31.3521, 37.1909, 32.3159

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.



25.8543, 31.8490, 33.5827



34.2707, 31.8490, 42.8693



28.3239, 31.8490, 23.9386

Square

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



34.2707, 31.8490, 42.8693



33.0107, 31.8490, 24.8138



26.5962, 31.8490, 27.6031



27.6882, 31.8490, 46.8615

Rectangle

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



34.2707, 31.8490, 42.8693



35.0016, 31.8490, 31.2798



26.5962, 31.8490, 27.6031



25.9880, 31.8490, 38.3141

Sweetspot

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



34.2716, 31.8504, 42.8700



66.4770, 67.2399, 78.4767



29.1546, 29.2124, 42.6307



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.



34.2716, 31.8504, 42.8700



59.9539, 54.1937, 76.3020



33.0927, 31.3788, 36.6615



8.3371, 8.1481, 10.0860



18.2018, 8.7433, 29.7719



0.5064, 0.2432, 0.8282

Inverse Universe

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



34.2716, 31.8504, 42.8700



59.9539, 54.1937, 76.3020



32.4127, 37.6151, 37.9010



8.3371, 8.1481, 10.0860



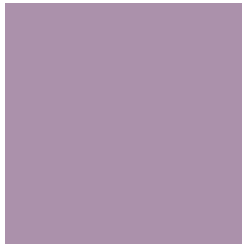
18.2018, 8.7433, 29.7719



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 34.2707, 31.8490, 42.8693 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 34.2707, 31.8490, 42.8693 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 34.2707, 31.8490, 42.8693

Background



This preview shows how black text looks on a background with the XYZ color 34.2707, 31.8490, 42.8693.



This preview shows how white text looks on a background with the XYZ color 34.2707, 31.8490,

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

34.2707, 31.8490, 42.8693

Protanopia

31.3605, 31.9412, 45.0698

Deuteranopia

32.5003, 31.8708, 42.4689



Tritanopia

33.0539, 31.8057, 37.1979

Trichromacy



Original Color

34.2707, 31.8490, 42.8693

Protanomaly

32.2921, 31.7190, 44.4648

Deuteranomaly

33.1554, 31.9746, 42.4544

Tritanomaly

33.4673, 31.7482, 39.0144

Monochromacy



Original Color

34.2707, 31.8490, 42.8693

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.3592, 32.6067, 38.3064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2707, 31.8490, 42.8693 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, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 145, 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, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 145, 171) }
```

Border

The CSS property to change the border of an element to XYZ 34.2707, 31.8490, 42.8693 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, 145, 171) }
```


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

```
.border{ border-color:rgb(171, 145, 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, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 145,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2707, 31.8490, 42.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 145, 171) }
```

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

```
.background{ background-color: rgb(171,  
145, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor