

Converting Colors

XYZ(33.9810, 31.8503, 69.7212)

Have a look what the booklet for
XYZ(33.9810, 31.8503, 69.7212)
contains.

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Color

**XYZ(33.9295, 31.7650,
69.9886)**

Conversions

Conversions Part 1

Format	Color
Hex	8C94D9
RGB	140, 148, 217
RGB Percent	55%, 58%, 85%
CMY	0.4510, 0.4196, 0.1490
CMYK	0.35, 0.32, 0.00, 0.15
HSL	234°, 50%, 70%
HSV	234°, 35%, 85%
XYZ	33.9295, 31.7650, 69.9886
YIQ	153.4740, -26.9170, 19.7630

Conversions

Conversions Part 2

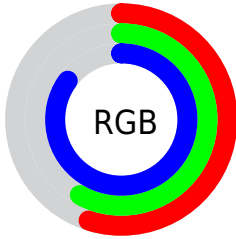
Format	Color
RYB	140, 147, 217
Decimal	9213145
CIELab	63.15, 13.53, -36.14
CIELCh	63, 38.593, 290.530
Yxy	31.7650, 0.2501, 0.2341
Android (android.graphics.Color)	4287403225 (0xFF8C94D9)
YUV	153.4740, 31.3183, -11.8167
Hunter-Lab	56.3604, 8.8278, -34.1742

Details

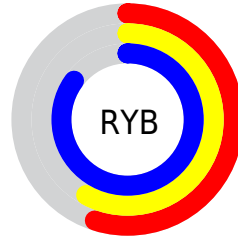
The XYZ color **33.9295, 31.7650, 69.9886** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1502, 62.2471, 33.8677**, and the grayscale version is **30.3618, 31.9430, 34.7859**.

A 20% lighter version of the original color is **61.9355, 61.1968, 103.1556**, and **14.8197, 13.3702, 35.9820** is the 20% darker color. If you saturate the color by 10%, you get **27.8290, 24.4667, 68.9020**, and if you desaturate by 10%, it is **41.2656, 40.4622, 71.2812**.

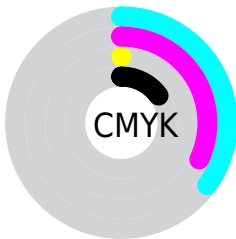
Distribution



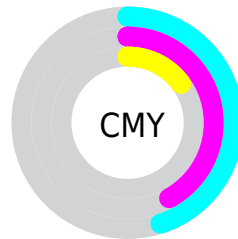
- Red (55%)
- Green (58%)
- Blue (85%)



- Red (55%)
- Yellow (58%)
- Blue (85%)



- Cyan (35%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9295, 31.7650, 69.9886 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 33.9295, 31.7650, 69.9886 by changing the saturation by 10% instead.

■ 33.9295, 31.7650,
69.9886

■ 33.9295, 31.7650,
69.9886

311.4090,
310.0474, 479.2980

■ 23.0021, 21.1821,
51.0405

■ 65.1690, 62.4425,
120.8735

■ 14.7157, 13.2572,
35.8639

■ 86.2119, 83.3059,
153.6473

■ 8.7051, 7.6059,
24.0402

111.3572,
108.3648, 191.8668

■ 4.6049, 3.8438,
15.1510

140.9704,
138.0038, 235.9505

■ 2.0497, 1.5866,
8.7776

175.4168,
172.6071, 286.3169

■ 0.6617, 0.3485,
4.5016

215.0619,

■ 0.0000, 0.0000,

212.5592, 343.3846

1.9044

260.2708,
258.2445, 407.5721

■ 0.0000, 0.0000,
0.4955

■ 0.0000, 0.0000,
0.0000

■ 33.9295, 31.7650,
69.9886

■ 33.9295, 31.7650,
69.9886

■ 27.8290, 24.4667,
68.9020

■ 41.2656, 40.4622,
71.2812

■ 22.8926, 18.4905,
68.0086

■ 49.8969, 50.6223,
72.7874

■ 19.0466, 13.7578,
67.2979

■ 59.8831, 62.3100,
74.5171

■ 16.2073, 10.1801,
66.7569

■ 71.2792, 75.5848,
76.4787

■ 14.2788, 7.6570,
66.3716

■ 84.1371, 90.5031,
78.6805

■ 13.1458, 6.0703,
66.1250

■ 89.5245, 97.7898,
79.8031

■ 12.8219, 5.6046,
66.0522

Harmonies

Analogous

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



28.5370, 31.7650, 72.3567



33.9295, 31.7650, 69.9886



38.8123, 31.7650, 56.7948

Triad

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



33.9295, 31.7650, 69.9886



37.1846, 31.7650, 16.5195



21.1708, 31.7650, 29.9798

Complementary

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



33.9295, 31.7650, 69.9886



56.1502, 62.2471, 33.8677

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.



22.9526, 31.7650, 19.0856



33.9295, 31.7650, 69.9886



31.9091, 31.7650, 12.9655

Square

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



33.9295, 31.7650, 69.9886



40.8397, 31.7650, 25.2825



26.7390, 31.7650, 13.7415



21.5768, 31.7650, 45.9323

Rectangle

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



33.9295, 31.7650, 69.9886



40.9191, 31.7650, 45.3186



26.7390, 31.7650, 13.7415



21.5250, 31.7650, 25.6988

Sweetspot

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



33.9306, 31.7662, 69.9894



77.9718, 80.0608, 105.9515



47.0162, 59.7568, 68.7422



16.2754, 16.6517, 22.6062



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.9306, 31.7662, 69.9894



41.8021, 37.2982, 99.6038



38.3769, 32.2595, 69.8502



12.4470, 12.8338, 16.4733



7.7981, 3.4657, 39.9963



0.5429, 0.3000, 2.6037

Inverse Universe

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



43.3396, 35.6472, 32.6145



57.4827, 44.0434, 37.2543



50.1594, 62.1458, 34.1639



13.1107, 13.0734, 13.8444



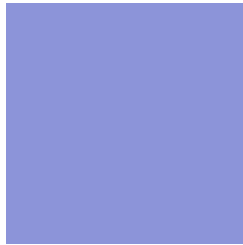
17.4315, 8.9736, 1.3862



1.1483, 0.5890, 0.1901

Previews

White Background



This preview shows how the XYZ color 33.9295, 31.7650, 69.9886 looks on a white background.

Color Contrast Check

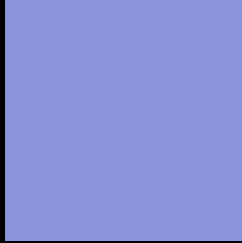
Large Text (above 18pt) WCAG AA × Fail

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 33.9295, 31.7650, 69.9886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

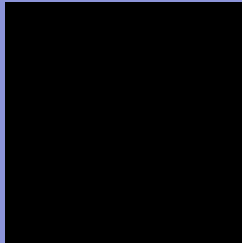
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9295, 31.7650, 69.9886

Background



This preview shows how black text looks on a background with the XYZ color 33.9295, 31.7650, 69.9886.



This preview shows how white text looks on a background with the XYZ color 33.9295, 31.7650,

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

33.9295, 31.7650, 69.9886

Protanopia

33.0526, 31.7525, 71.4046

Deuteranopia

32.5145, 31.7582, 69.3820



Tritanopia

28.3659, 31.6833, 42.6507

Trichromacy



Original Color

33.9295, 31.7650, 69.9886

Protanomaly

33.2339, 31.6252, 70.6823

Deuteranomaly

32.9739, 31.7571, 69.3576

Tritanomaly

30.1981, 31.6856, 51.5380

Monochromacy



Original Color

33.9295, 31.7650, 69.9886

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1158, 31.5637, 45.5267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9295, 31.7650, 69.9886 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(140, 148, 217)` looks like.

```
.text, #text, p{  
    color:rgb(140, 148, 217)  
}
```

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(140, 148, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 148, 217) }
```

Border

The CSS property to change the border of an element to XYZ 33.9295, 31.7650, 69.9886 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(140, 148, 217) }
```


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

```
.border{ border-color:rgb(140, 148, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 148, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 148, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 148, 217);  
box-shadow:4px 4px 4px 4px rgb(140, 148,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9295, 31.7650, 69.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 148, 217) }
```

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

```
.background{ background-color: rgb(140,  
148, 217) }
```

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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