

Converting Colors

XYZ(33.8545, 31.3104, 66.0029)

Have a look what the booklet for
XYZ(33.8545, 31.3104, 66.0029)
contains.

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Color

**XYZ(33.8908, 31.3719,
65.8972)**

Conversions

Conversions Part 1

Format	Color
Hex	9292D3
RGB	146, 146, 211
RGB Percent	57%, 57%, 83%
CMY	0.4274, 0.4274, 0.1725
CMYK	0.31, 0.31, 0.00, 0.17
HSL	240°, 42%, 70%
HSV	240°, 31%, 83%
XYZ	33.8908, 31.3719, 65.8972
YIQ	153.4100, -20.8650, 20.2150

Conversions

Conversions Part 2

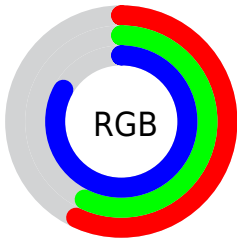
Format	Color
R _Y B	146, 146, 211
Decimal	9605843
CIE Lab	62.82, 14.81, -33.28
CIE LCh	63, 36.424, 293.996
Yxy	31.3719, 0.2584, 0.2392
Android (android.graphics.Color)	4287795923 (0xFF9292D3)
YUV	153.4100, 28.3919, -6.4986
Hunter-Lab	56.0106, 9.9878, -30.5480

Details

The XYZ color **33.8908, 31.3719, 65.8972** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3472, 62.5133, 36.3445**, and the grayscale version is **30.3443, 31.9246, 34.7659**.

A 20% lighter version of the original color is **62.7917, 60.9461, 103.0620**, and **14.6978, 13.0932, 33.2051** is the 20% darker color. If you saturate the color by 10%, you get **27.5226, 23.6985, 64.7523**, and if you desaturate by 10%, it is **41.5537, 40.6051, 67.2761**.

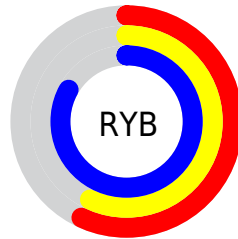
Distribution



Red (57%)

Green (57%)

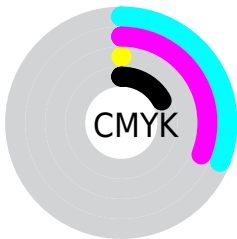
Blue (83%)



Red (57%)

Yellow (57%)

Blue (83%)

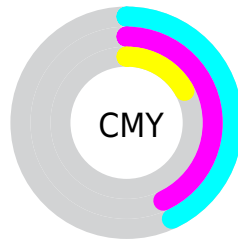


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (43%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8908, 31.3719, 65.8972 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 33.8908, 31.3719, 65.8972 by changing the saturation by 10% instead.

■ 33.8908, 31.3719,
65.8972

■ 33.8908, 31.3719,
65.8972

311.2393,
308.2480, 464.4033

■ 22.9722, 20.8822,
47.7330

■ 65.1092, 61.8251,
114.9644

■ 14.6936, 13.0379,
33.2570

■ 86.1398, 82.5574,
146.7044

■ 8.6895, 7.4547,
22.0507

111.2717,
107.4727, 183.8068

■ 4.5947, 3.7480,
13.6955

140.8704,
136.9554, 226.6902

■ 2.0438, 1.5336,
7.7728

175.3011,
171.3899, 275.7729

■ 0.6584, 0.3122,
3.8643

214.9293,

■ 0.0000, 0.0000,

211.1606, 331.4737

1.5512

260.1202,
256.6518, 394.2110

■ 0.0000, 0.0000,
0.2556

■ 0.0000, 0.0000,
0.0000

■ 33.8908, 31.3719,
65.8972

■ 33.8908, 31.3719,
65.8972

■ 27.5226, 23.6985,
64.7523

■ 41.5537, 40.6051,
67.2761

■ 22.3745, 17.4954,
63.8263

■ 50.5737, 51.4736,
68.8985

■ 18.3696, 12.6698,
63.1059

■ 61.0132, 64.0526,
70.7762

■ 15.4208, 9.1167,
62.5755

■ 72.9298, 78.4113,
72.9197

■ 13.4286, 6.7161,
62.2172

■ 86.3778, 94.6152,
75.3386

■ 12.2742, 5.3252,
62.0096

■ 88.7580, 97.4832,
75.7667

■ 11.7580, 4.7032,
61.9167

Harmonies

Analogous

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



28.8261, 31.3719, 69.4028



33.8908, 31.3719, 65.8972



38.2689, 31.3719, 52.9821

Triad

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



33.8908, 31.3719, 65.8972



35.8185, 31.3719, 16.4085



21.2609, 31.3719, 31.3656

Complementary

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



33.8908, 31.3719, 65.8972



55.3472, 62.5133, 36.3445

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.



22.7130, 31.3719, 20.4230



33.8908, 31.3719, 65.8972



30.8325, 31.3719, 13.4771

Square

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



33.8908, 31.3719, 65.8972



39.4659, 31.3719, 24.1620



26.0854, 31.3719, 14.7088



21.8865, 31.3719, 46.5904

Rectangle

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



33.8908, 31.3719, 65.8972



40.0196, 31.3719, 42.3046



26.0854, 31.3719, 14.7088



21.5166, 31.3719, 27.1319

Sweetspot

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



33.8919, 31.3731, 65.8979



80.2156, 82.1256, 106.2317



46.7716, 57.3493, 69.5233



16.6930, 17.0042, 22.6523



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.



33.8919, 31.3731, 65.8979



45.3613, 40.1284, 99.9625



40.2643, 34.6582, 66.1961



11.1637, 11.4177, 14.8591



7.0959, 2.8384, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



42.3321, 36.4831, 32.0061



60.3260, 49.1885, 39.8715



47.2090, 58.3180, 35.9636



11.8088, 11.8083, 12.2689



16.2124, 8.3578, 0.7587



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 33.8908, 31.3719, 65.8972 looks on a white background.

Color Contrast Check

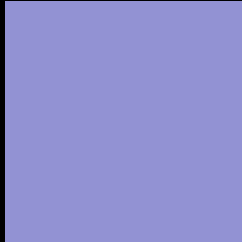
Large Text (above 18pt) WCAG AA × Fail

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 33.8908, 31.3719, 65.8972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

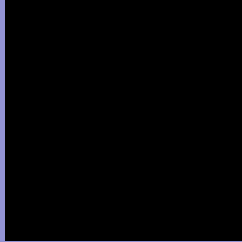
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8908, 31.3719, 65.8972

Background



This preview shows how black text looks on a background with the XYZ color 33.8908, 31.3719, 65.8972.



This preview shows how white text looks on a background with the XYZ color 33.8908, 31.3719,

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

33.8908, 31.3719, 65.8972

Protanopia

32.5597, 31.5733, 67.9965

Deuteranopia

32.2121, 31.4524, 65.3459



Tritanopia

29.0129, 31.5511, 41.1200

Trichromacy



Original Color

33.8908, 31.3719, 65.8972

Protanomaly

33.0742, 31.6174, 67.3104

Deuteranomaly

32.8615, 31.5513, 65.3308

Tritanomaly

30.5907, 31.4508, 49.2581

Monochromacy



Original Color

33.8908, 31.3719, 65.8972

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.1240, 31.3527, 44.4557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8908, 31.3719, 65.8972 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(146, 146, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 146, 211)  
}
```

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(146, 146, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 146, 211) }
```

Border

The CSS property to change the border of an element to XYZ 33.8908, 31.3719, 65.8972 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(146, 146, 211) }
```


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

```
.border{ border-color:rgb(146, 146, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 146, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 146, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 146, 211);  
box-shadow:4px 4px 4px 4px rgb(146, 146,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8908, 31.3719, 65.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 146, 211) }
```

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

```
.background{ background-color: rgb(146,  
146, 211) }
```

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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