

Converting Colors

XYZ(33.5841, 31.1829, 71.9279)

Have a look what the booklet for
XYZ(33.5841, 31.1829, 71.9279)
contains.

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Color

**XYZ(33.5137, 31.0434,
71.9358)**

Conversions

Conversions Part 1

Format	Color
Hex	8992DC
RGB	137, 146, 220
RGB Percent	54%, 57%, 86%
CMY	0.4627, 0.4274, 0.1373
CMYK	0.38, 0.34, 0.00, 0.14
HSL	233°, 54%, 70%
HSV	233°, 38%, 86%
XYZ	33.5137, 31.0434, 71.9358
YIQ	151.7450, -29.1180, 21.1060

Conversions

Conversions Part 2

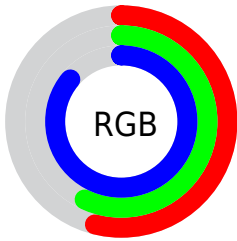
Format	Color
R_{YB}	137, 145, 220
Decimal	9016028
CIE _{Lab}	62.54, 14.68, -38.77
CIE _{LCh}	63, 41.457, 290.743
Yxy	31.0434, 0.2455, 0.2274
Android (android.graphics.Color)	4287206108 (0xFF8992DC)
YUV	151.7450, 33.6497, -12.9314
Hunter-Lab	55.7166, 9.8642, -37.5478

Details

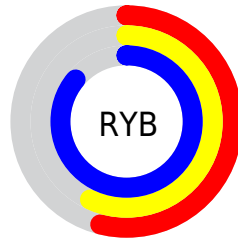
The XYZ color **33.5137, 31.0434, 71.9358** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.3260, 63.6118, 32.9253**, and the grayscale version is **29.6048, 31.1465, 33.9186**.

A 20% lighter version of the original color is **60.6966, 59.8660, 102.9640**, and **14.5417, 12.9214, 37.3250** is the 20% darker color. If you saturate the color by 10%, you get **27.4996, 23.8335, 70.8617**, and if you desaturate by 10%, it is **40.7840, 39.6722, 73.2187**.

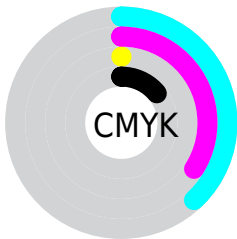
Distribution



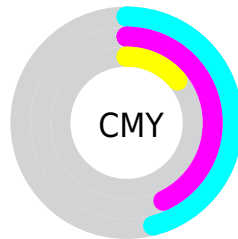
- Red (54%)
- Green (57%)
- Blue (86%)



- Red (54%)
- Yellow (57%)
- Blue (86%)



- Cyan (38%)
- Magenta (34%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (43%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5137, 31.0434, 71.9358 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 33.5137, 31.0434, 71.9358 by changing the saturation by 10% instead.

■ 33.5137, 31.0434,
71.9358

■ 33.5137, 31.0434,
71.9358

309.5824,
306.7382, 486.2896

■ 22.6814, 20.6319,
52.6197

■ 64.5260, 61.3084,
123.6721

■ 14.4778, 12.8552,
37.1136

■ 85.4368, 81.9307,
156.9294

■ 8.5377, 7.3289,
24.9990

■ 110.4377,
106.7253, 195.6709

■ 4.4955, 3.6686,
15.8573

139.8941,
136.0768, 240.3151

■ 1.9861, 1.4900,
9.2700

174.1715,
170.3694, 291.2805

■ 0.6261, 0.2817,
4.8185

213.6351,

■ 0.0000, 0.0000,

209.9876, 348.9857

2.0843

258.6502,
255.3157, 413.8493

■ 0.0000, 0.0000,
0.6064

■ 0.0000, 0.0000,
0.0000

■ 33.5137, 31.0434,
71.9358

■ 33.5137, 31.0434,
71.9358

■ 27.4996, 23.8335,
70.8617

■ 40.7840, 39.6722,
73.2187

■ 22.6670, 17.9628,
69.9832

■ 49.3730, 49.7867,
74.7183

■ 18.9382, 13.3491,
69.2892

■ 59.3429, 61.4539,
76.4448

■ 16.2248, 9.8996,
68.7664

■ 70.7510, 74.7355,
78.4072

■ 14.4245, 7.5084,
68.3998

■ 83.6515, 89.6898,
80.6137

■ 13.4037, 6.0451,
68.1711

■ 89.9184, 97.9474,
81.8773

■ 13.2420, 5.8146,
68.1352

Harmonies

Analogous

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



27.7963, 31.0434, 74.6291



33.5137, 31.0434, 71.9358



38.7197, 31.0434, 57.4961

Triad

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



33.5137, 31.0434, 71.9358



36.9101, 31.0434, 15.0117



20.0486, 31.0434, 29.0491

Complementary

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



33.5137, 31.0434, 71.9358



57.3260, 63.6118, 32.9253

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.



21.8835, 31.0434, 17.7168



33.5137, 31.0434, 71.9358



31.2841, 31.0434, 11.4874

Square

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



33.5137, 31.0434, 71.9358



40.8476, 31.0434, 23.9554



25.8309, 31.0434, 12.2884



20.4857, 31.0434, 46.0307

Rectangle

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



33.5137, 31.0434, 71.9358



40.9671, 31.0434, 45.1076



25.8309, 31.0434, 12.2884



20.4104, 31.0434, 24.5617

Sweetspot

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



33.5148, 31.0446, 71.9365



78.0071, 80.1315, 105.9632



47.5831, 61.1746, 70.4806



16.2837, 16.6683, 22.6090



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.



33.5148, 31.0446, 71.9365



40.2481, 35.4987, 99.3384



38.1881, 31.4749, 71.7733



12.4518, 12.8433, 16.4749



7.8111, 3.4916, 40.0007



0.5452, 0.3045, 2.6045

Inverse Universe

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



43.6502, 35.1836, 31.6856



56.3789, 42.3790, 35.2119



50.8938, 63.7080, 33.2829



13.1131, 13.0744, 13.8571



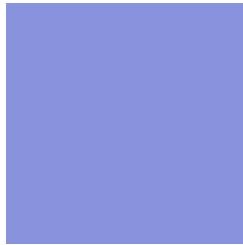
17.4380, 8.9762, 1.4207



1.1495, 0.5894, 0.1961

Previews

White Background



This preview shows how the XYZ color 33.5137, 31.0434, 71.9358 looks on a white background.

Color Contrast Check

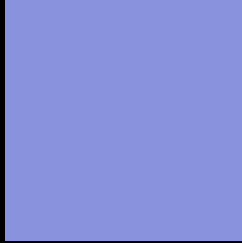
Large Text (above 18pt) WCAG AA × Fail

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 33.5137, 31.0434, 71.9358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

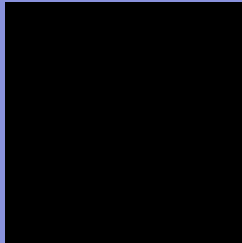
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5137, 31.0434, 71.9358

Background



This preview shows how black text looks on a background with the XYZ color 33.5137, 31.0434, 71.9358.



This preview shows how white text looks on a background with the XYZ color 33.5137, 31.0434,

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

33.5137, 31.0434, 71.9358

Protanopia

32.5364, 31.2044, 73.4154

Deuteranopia

31.8609, 31.1381, 71.3488



Tritanopia

27.5073, 31.0015, 42.0702

Trichromacy



Original Color

33.5137, 31.0434, 71.9358

Protanomaly

32.8470, 31.1461, 72.6872

Deuteranomaly

32.4357, 31.1986, 71.3302

Tritanomaly

29.3586, 30.7544, 51.9658

Monochromacy



Original Color

33.5137, 31.0434, 71.9358

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.8748, 31.1901, 45.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5137, 31.0434, 71.9358 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(137, 146, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 146, 220)  
}
```

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(137, 146, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 146, 220) }
```

Border

The CSS property to change the border of an element to XYZ 33.5137, 31.0434, 71.9358 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(137, 146, 220) }
```


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

```
.border{ border-color:rgb(137, 146, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 146, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 146, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 146, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 146,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5137, 31.0434, 71.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 146, 220) }
```

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

```
.background{ background-color: rgb(137,  
146, 220) }
```

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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