

Converting Colors

XYZ(34.8713, 31.3701, 68.8012)

Have a look what the booklet for
XYZ(34.8713, 31.3701, 68.8012)
contains.

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Color

**XYZ(34.8167, 31.3368,
68.5036)**

Conversions

Conversions Part 1

Format	Color
Hex	9690D7
RGB	150, 144, 215
RGB Percent	59%, 56%, 84%
CMY	0.4118, 0.4353, 0.1569
CMYK	0.30, 0.33, 0.00, 0.16
HSL	245°, 47%, 70%
HSV	245°, 33%, 84%
XYZ	34.8167, 31.3368, 68.5036
YIQ	153.8880, -19.2150, 23.3530

Conversions

Conversions Part 2

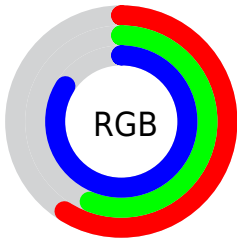
Format	Color
R_{YB}	150, 144, 215
Decimal	9867479
CIE _{Lab}	62.79, 18.14, -35.53
CIE _{LCh}	63, 39.891, 297.047
Yxy	31.3368, 0.2586, 0.2327
Android (android.graphics.Color)	4288057559 (0xFF9690D7)
YUV	153.8880, 30.1282, -3.4098
Hunter-Lab	55.9793, 13.0556, -33.3695

Details

The XYZ color **34.8167, 31.3368, 68.5036** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.6295, 64.1704, 35.8408**, and the grayscale version is **30.5451, 32.1358, 34.9959**.

A 20% lighter version of the original color is **63.6977, 60.7300, 102.9726**, and **15.2776, 13.0849, 34.9781** is the 20% darker color. If you saturate the color by 10%, you get **28.5424, 23.7204, 67.3647**, and if you desaturate by 10%, it is **42.3217, 40.5095, 69.8791**.

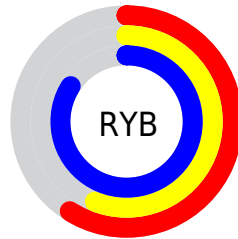
Distribution



Red (59%)

Green (56%)

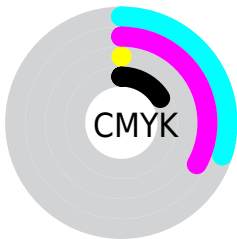
Blue (84%)



Red (59%)

Yellow (56%)

Blue (84%)

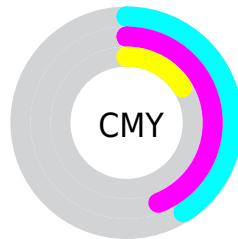


Cyan (30%)

Magenta (33%)

Yellow (0%)

Black (16%)



Cyan (41%)

Magenta (44%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8167, 31.3368, 68.5036 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 34.8167, 31.3368, 68.5036 by changing the saturation by 10% instead.

■ 34.8167, 31.3368,
68.5036

■ 34.8167, 31.3368,
68.5036

315.2807,
308.0870, 473.9247

■ 23.6876, 20.8554,
49.8383

■ 66.5376, 61.7699,
118.7333

■ 15.2255, 13.0184,
34.9147

■ 87.8601, 82.4905,
151.1348

■ 9.0651, 7.4412,
23.3141

113.3111,
107.3930, 188.9521

■ 4.8411, 3.7395,
14.6181

143.2559,
136.8617, 232.6037

■ 2.1882, 1.5289,
8.4082

178.0599,
171.2810, 282.5083

■ 0.7365, 0.3090,
4.2657

218.0885,

■ 0.0000, 0.0000,

211.0354, 339.0843

1.7722

263.7070,
256.5093, 402.7502

■ 0.0000, 0.0000,
0.4095

■ 0.0000, 0.0000,
0.0000

■ 34.8167, 31.3368,
68.5036

■ 34.8167, 31.3368,
68.5036

■ 28.5424, 23.7204,
67.3647

■ 42.3217, 40.5095,
69.8791

■ 23.4298, 17.5702,
66.4471

■ 51.1148, 51.3143,
71.5012

■ 19.4081, 12.7929,
65.7369

■ 61.2538, 63.8267,
73.3819

■ 16.3975, 9.2826,
65.2181

■ 72.7922, 78.1161,
75.5320

■ 14.3071, 6.9179,
64.8718

■ 85.7802, 94.2485,
77.9613

■ 13.0294, 5.5536,
64.6758

■ 89.2659, 97.6863,
78.4411

■ 12.5185, 5.0366,
64.6029

Harmonies

Analogous

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



29.2473, 31.3368, 73.8029



34.8167, 31.3368, 68.5036



39.4883, 31.3368, 53.2215

Triad

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



34.8167, 31.3368, 68.5036



35.8663, 31.3368, 14.6024



20.4845, 31.3368, 32.5952

Complementary

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



34.8167, 31.3368, 68.5036



55.6295, 64.1704, 35.8408

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.



21.8172, 31.3368, 20.2427



34.8167, 31.3368, 68.5036



30.3287, 31.3368, 12.0446

Square

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



34.8167, 31.3368, 68.5036



40.1444, 31.3368, 22.1961



25.2625, 31.3368, 13.7405



21.3808, 31.3368, 49.6951

Rectangle

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



34.8167, 31.3368, 68.5036



41.2287, 31.3368, 41.3113



25.2625, 31.3368, 13.7405



20.6824, 31.3368, 27.8165

Sweetspot

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



34.8178, 31.3380, 68.5043



79.3747, 80.6339, 105.9881



46.5891, 56.4782, 72.7365



16.5534, 16.7214, 22.6050



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.



34.8178, 31.3380, 68.5043



44.2646, 37.6442, 99.5408



42.3482, 35.2201, 68.8567



11.8389, 12.0584, 15.6410



7.5244, 3.0315, 38.6417



0.4884, 0.2006, 2.3323

Inverse Universe

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



49.5069, 38.9980, 65.2399



69.3241, 50.7196, 93.6304



46.6982, 59.5661, 35.4228



12.9056, 12.6138, 15.4433



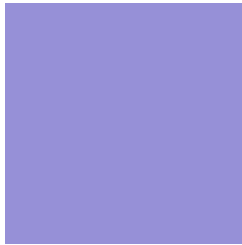
22.7975, 11.0553, 32.5673



1.3887, 0.6723, 2.0362

Previews

White Background



This preview shows how the XYZ color 34.8167, 31.3368, 68.5036 looks on a white background.

Color Contrast Check

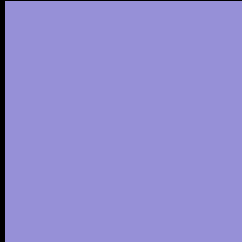
Large Text (above 18pt) WCAG AA × Fail

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 34.8167, 31.3368, 68.5036 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 34.8167, 31.3368, 68.5036

Background



This preview shows how black text looks on a background with the XYZ color 34.8167, 31.3368, 68.5036.



This preview shows how white text looks on a background with the XYZ color 34.8167, 31.3368,

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

34.8167, 31.3368, 68.5036

Protanopia

32.5869, 31.2765, 71.3373

Deuteranopia

32.2499, 31.4136, 67.9820



Tritanopia

29.2538, 31.4398, 40.6030

Trichromacy



Original Color

34.8167, 31.3368, 68.5036

Protanomaly

33.4051, 31.2478, 70.6004

Deuteranomaly

33.0440, 31.3532, 67.9285

Tritanomaly

31.0597, 31.2027, 49.7331

Monochromacy



Original Color

34.8167, 31.3368, 68.5036

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.8797, 31.7196, 45.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8167, 31.3368, 68.5036 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(150, 144, 215)` looks like.

```
.text, #text, p{  
    color:rgb(150, 144, 215)  
}
```

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(150, 144, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 144, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.8167, 31.3368, 68.5036 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(150, 144, 215) }
```


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

```
.border{ border-color:rgb(150, 144, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 144, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 144, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 144, 215);  
box-shadow:4px 4px 4px 4px rgb(150, 144,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8167, 31.3368, 68.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 144, 215) }
```

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

```
.background{ background-color: rgb(150,  
144, 215) }
```

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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