

Converting Colors

XYZ(34.2011, 31.7030, 68.6067)

Have a look what the booklet for
XYZ(34.2011, 31.7030, 68.6067)
contains.

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Color

**XYZ(34.2011, 31.7030,
68.6067)**

Conversions

Conversions Part 1

Format	Color
Hex	9093D7
RGB	144, 147, 215
RGB Percent	56%, 58%, 84%
CMY	0.4353, 0.4235, 0.1569
CMYK	0.33, 0.32, 0.00, 0.16
HSL	237°, 47%, 70%
HSV	237°, 33%, 84%
XYZ	34.2011, 31.7030, 68.6067
YIQ	153.8550, -23.6160, 20.5120

Conversions

Conversions Part 2

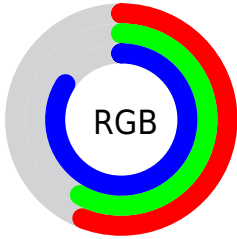
Format	Color
RYB	144, 147, 215
Decimal	9475031
CIELab	63.10, 14.70, -35.09
CIELCh	63, 38.043, 292.732
Yxy	31.7030, 0.2543, 0.2357
Android (android.graphics.Color)	4287665111 (0xFF9093D7)
YUV	153.8550, 30.1445, -8.6428
Hunter-Lab	56.3054, 9.8902, -32.8295

Details

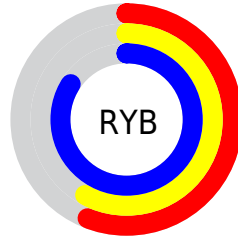
The XYZ color **34.2011, 31.7030, 68.6067** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.6028, 63.5488, 35.6698**, and the grayscale version is **30.5320, 32.1221, 34.9809**.

A 20% lighter version of the original color is **62.4898, 61.1354, 103.1145**, and **14.9342, 13.3116, 35.0400** is the 20% darker color. If you saturate the color by 10%, you get **27.8769, 24.1078, 67.4746**, and if you desaturate by 10%, it is **41.8158, 40.8156, 69.9648**.

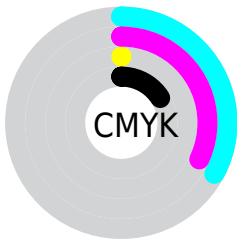
Distribution



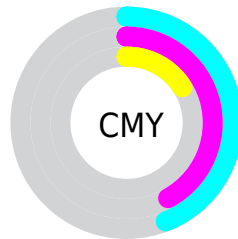
- Red (56%)
- Green (58%)
- Blue (84%)



- Red (56%)
- Yellow (58%)
- Blue (84%)



- Cyan (33%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2011, 31.7030, 68.6067 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 34.2011, 31.7030, 68.6067 by changing the saturation by 10% instead.

■ 34.2011, 31.7030,
68.6067

■ 34.2011, 31.7030,
68.6067

312.5980,
309.7641, 474.2989

■ 23.2118, 21.1347,
49.9217

■ 65.5885, 62.3452,
118.8821

■ 14.8715, 13.2225,
34.9804

■ 86.7172, 83.1879,
151.3095

■ 8.8150, 7.5820,
23.3644

111.9565,
108.2243, 189.1548

■ 4.6768, 3.8286,
14.6550

141.6716,
137.8386, 232.8366

■ 2.0917, 1.5782,
8.4337

176.2280,
172.4154, 282.7734

■ 0.6847, 0.3428,
4.2819

215.9909,

■ 0.0000, 0.0000,

212.3390, 339.3836

1.7813

261.3258,
257.9937, 403.0860

■ 0.0000, 0.0000,
0.4156

■ 0.0000, 0.0000,
0.0000

■ 34.2011, 31.7030,
68.6067

■ 34.2011, 31.7030,
68.6067

■ 27.8769, 24.1078,
67.4746

■ 41.8158, 40.8156,
69.9648

■ 22.7685, 17.9440,
66.5541

■ 50.7834, 51.5177,
71.5579

■ 18.7987, 13.1231,
65.8328

■ 61.1663, 63.8816,
73.3971

■ 15.8804, 9.5448,
65.2959

■ 73.0221, 77.9737,
75.4923

■ 13.9134, 7.0951,
64.9267

■ 86.4051, 93.8569,
77.8527

■ 12.7783, 5.6388,
64.7055

■ 89.2659, 97.6863,
78.4411

■ 12.3644, 5.1035,
64.6240

Harmonies

Analogous

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



28.8746, 31.7030, 71.8365



34.2011, 31.7030, 68.6067



38.8940, 31.7030, 55.1335

Triad

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



34.2011, 31.7030, 68.6067



36.6628, 31.7030, 16.2555



21.1935, 31.7030, 30.9921

Complementary

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



34.2011, 31.7030, 68.6067



56.6028, 63.5488, 35.6698

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.



22.7971, 31.7030, 19.8147



34.2011, 31.7030, 68.6067



31.4269, 31.7030, 13.0612

Square

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



34.2011, 31.7030, 68.6067



40.4265, 31.7030, 24.5161



26.4005, 31.7030, 14.1423



21.7540, 31.7030, 46.9290

Rectangle

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



34.2011, 31.7030, 68.6067



40.8279, 31.7030, 43.8240



26.4005, 31.7030, 14.1423



21.4903, 31.7030, 26.6345

Sweetspot

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



34.2022, 31.7042, 68.6074



78.9806, 80.8758, 106.0556



47.6174, 59.2567, 70.8529



16.4590, 16.7792, 22.6212



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.



34.2022, 31.7042, 68.6074



43.2961, 38.2108, 99.7012



40.1334, 34.0785, 68.7531



11.7843, 12.0919, 15.6504



7.4147, 3.0912, 38.6590



0.4624, 0.2168, 2.3368

Inverse Universe

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



43.2651, 36.5015, 32.3700



58.7434, 46.4873, 37.9135



48.8758, 60.6887, 35.5250



12.4443, 12.4292, 13.0140



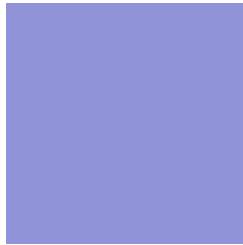
16.8015, 8.6569, 0.9927



1.0210, 0.5252, 0.1001

Previews

White Background



This preview shows how the XYZ color 34.2011, 31.7030, 68.6067 looks on a white background.

Color Contrast Check

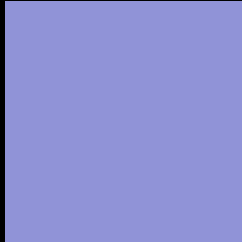
Large Text (above 18pt) WCAG AA × Fail

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 34.2011, 31.7030, 68.6067 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 34.2011, 31.7030, 68.6067

Background



This preview shows how black text looks on a background with the XYZ color 34.2011, 31.7030, 68.6067.



This preview shows how white text looks on a background with the XYZ color 34.2011, 31.7030,

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

34.2011, 31.7030, 68.6067

Protanopia

32.9213, 31.6999, 70.7132

Deuteranopia

32.5643, 31.8136, 68.0426



Tritanopia

28.8814, 31.7098, 42.1345

Trichromacy



Original Color

34.2011, 31.7030, 68.6067

Protanomaly

33.4252, 31.7389, 70.0102

Deuteranomaly

33.1973, 31.9020, 68.0263

Tritanomaly

30.7354, 31.7309, 50.9591

Monochromacy



Original Color

34.2011, 31.7030, 68.6067

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.4808, 31.7518, 45.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2011, 31.7030, 68.6067 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(144, 147, 215)` looks like.

```
.text, #text, p{  
    color:rgb(144, 147, 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(144, 147, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 147, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.2011, 31.7030, 68.6067 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(144, 147, 215) }
```


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

```
.border{ border-color:rgb(144, 147, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 147, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 147, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 147, 215);  
box-shadow:4px 4px 4px 4px rgb(144, 147,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2011, 31.7030, 68.6067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 147, 215) }
```

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

```
.background{ background-color: rgb(144,  
147, 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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