

Converting Colors

XYZ(34.4597, 31.8065, 69.9687)

Have a look what the booklet for
XYZ(34.4597, 31.8065, 69.9687)
contains.

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Color

**XYZ(34.4597, 31.8065,
69.9687)**

Conversions

Conversions Part 1

Format	Color
Hex	9093D9
RGB	144, 147, 217
RGB Percent	56%, 58%, 85%
CMY	0.4353, 0.4235, 0.1490
CMYK	0.34, 0.32, 0.00, 0.15
HSL	238°, 49%, 71%
HSV	238°, 34%, 85%
XYZ	34.4597, 31.8065, 69.9687
YIQ	154.0830, -24.2580, 21.1340

Conversions

Conversions Part 2

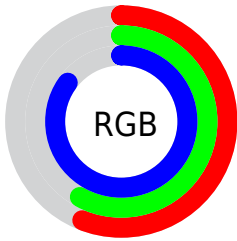
Format	Color
R_{YB}	144, 147, 217
Decimal	9475033
CIE _{Lab}	63.18, 15.22, -36.07
CIE _{LCh}	63, 39.148, 292.885
Yxy	31.8065, 0.2529, 0.2335
Android (android.graphics.Color)	4287665113 (0xFF9093D9)
YUV	154.0830, 31.0181, -8.8428
Hunter-Lab	56.3973, 10.3714, -34.0795

Details

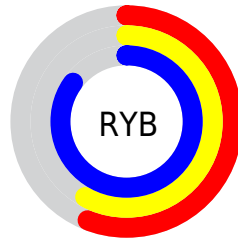
The XYZ color **34.4597, 31.8065, 69.9687** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.6967, 64.8592, 35.8650**, and the grayscale version is **30.6283, 32.2234, 35.0912**.

A 20% lighter version of the original color is **62.7561, 61.2726, 103.1269**, and **15.1107, 13.3822, 35.9690** is the 20% darker color. If you saturate the color by 10%, you get **28.0793, 24.1411, 68.8260**, and if you desaturate by 10%, it is **42.1560, 41.0204, 71.3421**.

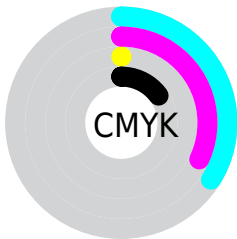
Distribution



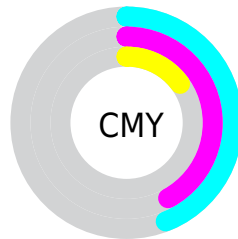
- Red (56%)
- Green (58%)
- Blue (85%)



- Red (56%)
- Yellow (58%)
- Blue (85%)



- Cyan (34%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (44%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4597, 31.8065, 69.9687 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 34.4597, 31.8065, 69.9687 by changing the saturation by 10% instead.

■ 34.4597, 31.8065,
69.9687

■ 34.4597, 31.8065,
69.9687

313.7270,
310.2369, 479.2263

■ 23.4115, 21.2137,
51.0244

■ 65.9875, 62.5076,
120.8448

■ 15.0200, 13.2803,
35.8511

■ 87.1978, 83.3848,
153.6137

■ 8.9199, 7.6219,
24.0305

112.5262,
108.4588, 191.8278

■ 4.7456, 3.8540,
15.1438

142.3380,
138.1142, 235.9057

■ 2.1320, 1.5922,
8.7726

176.9987,
172.7353, 286.2660

■ 0.7065, 0.3523,
4.4984

216.8735,

■ 0.0000, 0.0000,

212.7065, 343.3272

1.9026

262.3278,
258.4123, 407.5077

■ 0.0000, 0.0000,
0.4944

■ 0.0000, 0.0000,
0.0000

■ 34.4597, 31.8065,
69.9687

■ 34.4597, 31.8065,
69.9687

■ 28.0793, 24.1411,
68.8260

■ 42.1560, 41.0204,
71.3421

■ 22.9380, 17.9356,
67.8992

■ 51.2327, 51.8573,
72.9554

■ 18.9562, 13.0986,
67.1754

■ 61.7539, 64.3914,
74.8202

■ 16.0439, 9.5265,
66.6394

■ 73.7787, 78.6913,
76.9466

■ 14.0973, 7.1009,
66.2738

■ 87.3631, 94.8216,
79.3441

■ 12.9924, 5.6813,
66.0580

■ 89.5245, 97.7898,
79.8031

■ 12.6213, 5.2034,
65.9854

Harmonies

Analogous

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



28.9609, 31.8065, 73.4047



34.4597, 31.8065, 69.9687



39.3083, 31.8065, 55.8990

Triad

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



34.4597, 31.8065, 69.9687



36.9527, 31.8065, 15.8930



21.0389, 31.8065, 31.0714

Complementary

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



34.4597, 31.8065, 69.9687



57.6967, 64.8592, 35.8650

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.



22.6714, 31.8065, 19.5860



34.4597, 31.8065, 69.9687



31.5380, 31.8065, 12.6830

Square

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



34.4597, 31.8065, 69.9687



40.8633, 31.8065, 24.2900



26.3634, 31.8065, 13.7971



21.6244, 31.8065, 47.5577

Rectangle

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



34.4597, 31.8065, 69.9687



41.3028, 31.8065, 44.1600



26.3634, 31.8065, 13.7971



21.3392, 31.8065, 26.5834

Sweetspot

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



34.4608, 31.8077, 69.9694



78.9724, 80.8595, 106.0529



48.3701, 60.3777, 72.2893



16.4571, 16.7753, 22.6205



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.



34.4608, 31.8077, 69.9694



43.2763, 38.1711, 99.6946



40.5960, 34.2870, 70.1246



12.3814, 12.7025, 16.4514



7.6589, 3.1873, 39.9499



0.5116, 0.2374, 2.5933

Inverse Universe

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



43.8560, 36.8060, 32.3978



58.7334, 46.4833, 37.8607



49.6509, 61.8490, 35.7080



13.0776, 13.0601, 13.6700



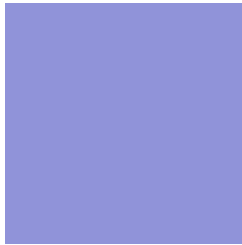
17.3612, 8.9455, 1.0162



1.1325, 0.5827, 0.1069

Previews

White Background



This preview shows how the XYZ color 34.4597, 31.8065, 69.9687 looks on a white background.

Color Contrast Check

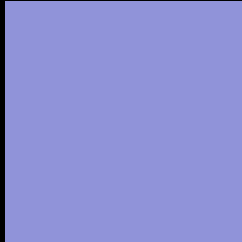
Large Text (above 18pt) WCAG AA × Fail

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 34.4597, 31.8065, 69.9687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

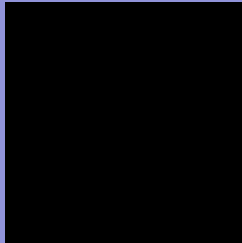
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4597, 31.8065, 69.9687

Background



This preview shows how black text looks on a background with the XYZ color 34.4597, 31.8065, 69.9687.



This preview shows how white text looks on a background with the XYZ color 34.4597, 31.8065,

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

34.4597, 31.8065, 69.9687

Protanopia

33.1847, 31.8053, 72.1002

Deuteranopia

32.6672, 31.8369, 69.3891



Tritanopia

28.7228, 31.6281, 42.1271

Trichromacy



Original Color

34.4597, 31.8065, 69.9687

Protanomaly

33.6870, 31.8436, 71.3888

Deuteranomaly

33.2927, 31.9215, 69.3725

Tritanomaly

30.5707, 31.6460, 50.9514

Monochromacy



Original Color

34.4597, 31.8065, 69.9687

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.5801, 31.7916, 46.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4597, 31.8065, 69.9687 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(144, 147, 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(144, 147, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 147, 217) }
```

Border

The CSS property to change the border of an element to XYZ 34.4597, 31.8065, 69.9687 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, 217) }
```


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

```
.border{ border-color:rgb(144, 147, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 147, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 147, 217);  
box-shadow:4px 4px 4px 4px rgb(144, 147,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4597, 31.8065, 69.9687 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, 217) }
```

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

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