

Converting Colors

XYZ(34.7922, 33.4779, 68.9813)

Have a look what the booklet for
XYZ(34.7922, 33.4779, 68.9813)
contains.

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Color

**XYZ(34.8123, 33.4395,
68.9097)**

Conversions

Conversions Part 1

Format	Color
Hex	8E99D7
RGB	142, 153, 215
RGB Percent	56%, 60%, 84%
CMY	0.4431, 0.4000, 0.1569
CMYK	0.34, 0.29, 0.00, 0.16
HSL	231°, 48%, 70%
HSV	231°, 34%, 84%
XYZ	34.8123, 33.4395, 68.9097
YIQ	156.7790, -26.4580, 16.9500

Conversions

Conversions Part 2

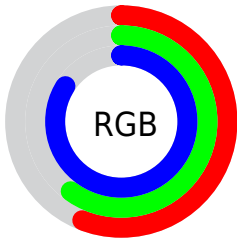
Format	Color
RYB	142, 152, 215
Decimal	9345495
CIELab	64.52, 10.69, -32.89
CIELCh	65, 34.588, 288.007
Yxy	33.4395, 0.2538, 0.2438
Android (android.graphics.Color)	4287535575 (0xFF8E99D7)
YUV	156.7790, 28.7030, -12.9612
Hunter-Lab	57.8269, 6.2615, -30.1744

Details

The XYZ color **34.8123, 33.4395, 68.9097** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.5006, 59.5868, 34.2214**, and the grayscale version is **31.8332, 33.4910, 36.4717**.

A 20% lighter version of the original color is **63.3888, 63.7160, 103.5652**, and **15.2164, 14.1647, 35.1898** is the 20% darker color. If you saturate the color by 10%, you get **28.7096, 26.1916, 67.8330**, and if you desaturate by 10%, it is **42.0861, 41.9715, 70.1738**.

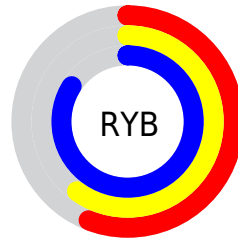
Distribution



Red (56%)

Green (60%)

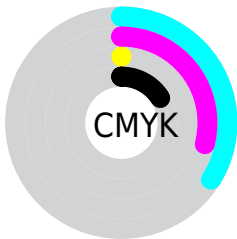
Blue (84%)



Red (56%)

Yellow (60%)

Blue (84%)

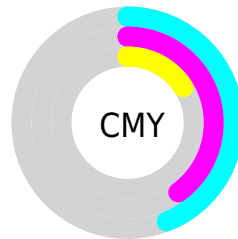


Cyan (34%)

Magenta (29%)

Yellow (0%)

Black (16%)



Cyan (44%)

Magenta (40%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8123, 33.4395, 68.9097 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 34.8123, 33.4395, 68.9097 by changing the saturation by 10% instead.

■ 34.8123, 33.4395,
68.9097

■ 34.8123, 33.4395,
68.9097

315.2616,
317.6255, 475.3977

■ 23.6842, 22.4633,
50.1669

■ 66.5308, 65.0611,
119.3191

■ 15.2230, 14.1978,
35.1739

■ 87.8519, 86.4753,
151.8227

■ 9.0633, 8.2583,
23.5122

113.3014,
112.1377, 189.7504

■ 4.8400, 4.2607,
14.7633

143.2446,
142.4326, 233.5206

■ 2.1875, 1.8204,
8.5087

178.0468,
177.7444, 283.5519

■ 0.7361, 0.4999,
4.3297

218.0735,

■ 0.0000, 0.0000,

218.4576, 340.2628

1.8079

263.6900,
264.9565, 404.0719

■ 0.0000, 0.0000,
0.4332

■ 0.0000, 0.0000,
0.0000

■ 34.8123, 33.4395,
68.9097

■ 34.8123, 33.4395,
68.9097

■ 28.7096, 26.1916,
67.8330

■ 42.0861, 41.9715,
70.1738

■ 23.7129, 20.1613,
66.9324

■ 50.5847, 51.8419,
71.6310

■ 19.7556, 15.2820,
66.1991

■ 60.3628, 63.1069,
73.2900

■ 16.7627, 11.4788,
65.6228

■ 71.4704, 75.8178,
75.1580

■ 14.6486, 8.6678,
65.1916

■ 83.9551, 90.0238,
77.2421

■ 13.3119, 6.7519,
64.8923

■ 89.2659, 97.6863,
78.4412

■ 12.7931, 5.9609,
64.7669

Harmonies

Analogous

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



29.8492, 33.4395, 70.0466



34.8123, 33.4395, 68.9097



39.3821, 33.4395, 57.8221

Triad

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



34.8123, 33.4395, 68.9097



38.5744, 33.4395, 19.6972



23.3646, 33.4395, 31.0424

Complementary

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



34.8123, 33.4395, 68.9097



54.5006, 59.5868, 34.2214

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.



25.2307, 33.4395, 21.0683



34.8123, 33.4395, 68.9097



33.7991, 33.4395, 15.7496

Square

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



34.8123, 33.4395, 68.9097



41.7043, 33.4395, 28.6282



28.9352, 33.4395, 16.1760



23.5754, 33.4395, 45.4877

Rectangle

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



34.8123, 33.4395, 68.9097



41.4339, 33.4395, 47.5826



28.9352, 33.4395, 16.1760



23.7611, 33.4395, 27.1393

Sweetspot

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



34.8134, 33.4408, 68.9105



79.7588, 82.4323, 106.3150



46.2164, 58.6564, 65.2826



16.6455, 17.1522, 22.6833



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.



34.8134, 33.4408, 68.9105



44.3839, 41.0934, 100.2003



37.7358, 32.3967, 68.5549



11.8922, 12.3077, 15.6864



7.7001, 3.6621, 38.7542



0.5134, 0.3188, 2.3538

Inverse Universe

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



43.4481, 36.0942, 34.8151



59.1199, 45.9773, 41.9330



50.5860, 61.5879, 34.8140



12.4988, 12.4510, 13.3007



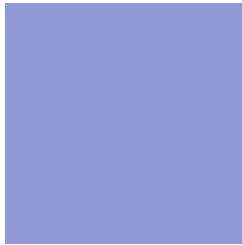
16.9455, 8.7145, 1.7513



1.0468, 0.5355, 0.2358

Previews

White Background



This preview shows how the XYZ color 34.8123, 33.4395, 68.9097 looks on a white background.

Color Contrast Check

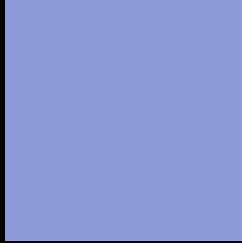
Large Text (above 18pt) WCAG AA × Fail

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 34.8123, 33.4395, 68.9097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

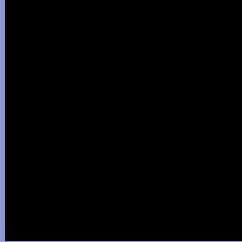
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8123, 33.4395, 68.9097

Background



This preview shows how black text looks on a background with the XYZ color 34.8123, 33.4395, 68.9097.



This preview shows how white text looks on a background with the XYZ color 34.8123, 33.4395,

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

34.8123, 33.4395, 68.9097

Protanopia

34.4315, 33.4723, 69.6118

Deuteranopia

34.3026, 33.4208, 68.9329



Tritanopia

30.0577, 33.5323, 44.9326

Trichromacy



Original Color

34.8123, 33.4395, 68.9097

Protanomaly

34.5977, 33.5580, 69.6196

Deuteranomaly

34.4688, 33.5065, 68.9407

Tritanomaly

31.5655, 33.3621, 52.9200

Monochromacy



Original Color

34.8123, 33.4395, 68.9097

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.8732, 33.6667, 46.8852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8123, 33.4395, 68.9097 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(142, 153, 215)` looks like.

```
.text, #text, p{  
    color:rgb(142, 153, 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(142, 153, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 153, 215) }
```

Border

The CSS property to change the border of an element to XYZ 34.8123, 33.4395, 68.9097 is called "border". The border property can be set on classes, ids or directly on the HTML element.

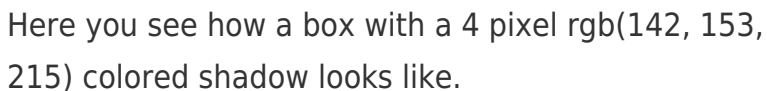
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(142, 153, 215) }
```


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

```
.border{ border-color:rgb(142, 153, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(142, 153, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 153, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 153, 215);  
box-shadow:4px 4px 4px 4px rgb(142, 153,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8123, 33.4395, 68.9097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 153, 215) }
```

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

```
.background{ background-color: rgb(142,  
153, 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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