

Converting Colors

XYZ(33.8665, 32.8025, 59.7008)

Have a look what the booklet for
XYZ(33.8665, 32.8025, 59.7008)
contains.

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Color

**XYZ(33.9836, 32.9694,
59.8309)**

Conversions

Conversions Part 1

Format	Color
Hex	9498C9
RGB	148, 152, 201
RGB Percent	58%, 60%, 79%
CMY	0.4196, 0.4039, 0.2118
CMYK	0.26, 0.24, 0.00, 0.21
HSL	235°, 33%, 68%
HSV	235°, 26%, 79%
XYZ	33.9836, 32.9694, 59.8309
YIQ	156.3900, -18.1130, 14.3910

Conversions

Conversions Part 2

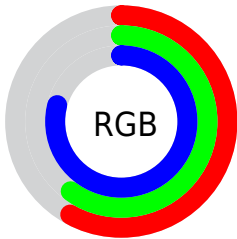
Format	Color
R_{YB}	148, 152, 201
Decimal	9738441
CIE _{Lab}	64.14, 9.46, -25.65
CIE _{LCh}	64, 27.339, 290.255
Y _{xy}	32.9694, 0.2680, 0.2600
Android (android.graphics.Color)	4287928521 (0xFF9498C9)
YUV	156.3900, 21.9927, -7.3580
Hunter-Lab	57.4190, 5.1625, -21.5872

Details

The XYZ color **33.9836, 32.9694, 59.8309** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.3995, 54.4885, 35.9318**, and the grayscale version is **31.6855, 33.3357, 36.3025**.

A 20% lighter version of the original color is **64.7499, 64.0591, 103.5597**, and **14.7440, 13.9007, 29.5098** is the 20% darker color. If you saturate the color by 10%, you get **27.8753, 25.6891, 58.7482**, and if you desaturate by 10%, it is **41.1979, 41.5229, 61.1022**.

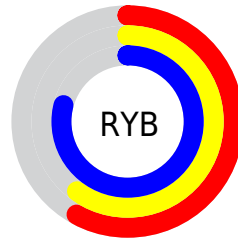
Distribution



Red (58%)

Green (60%)

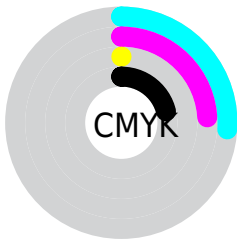
Blue (79%)



Red (58%)

Yellow (60%)

Blue (79%)

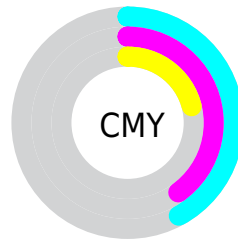


Cyan (26%)

Magenta (24%)

Yellow (0%)

Black (21%)



Cyan (42%)

Magenta (40%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9836, 32.9694, 59.8309 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 33.9836, 32.9694, 59.8309 by changing the saturation by 10% instead.

■ 33.9836, 32.9694,
59.8309

■ 33.9836, 32.9694,
59.8309

311.6461,
315.5118, 441.7615

■ 23.0438, 22.1030,
42.8579

■ 65.2526, 64.3278,
106.1253

■ 14.7467, 13.9326,
29.4431

■ 86.3126, 85.5885,
136.2838

■ 8.7270, 8.0738,
19.1678

111.4767,
111.0828, 171.6746

■ 4.6192, 4.1422,
11.6136

141.1102,
141.1951, 212.7162

■ 2.0581, 1.7534,
6.3618

175.5786,
176.3098, 259.8272

■ 0.6663, 0.4579,
2.9940

215.2471,

■ 0.0000, 0.0000,

216.8112, 313.4260

1.0916

260.4812,
263.0837, 373.9313

■ 0.0000, 0.0000,
0.0000

■ 33.9836, 32.9694,
59.8309

■ 33.9836, 32.9694,
59.8309

■ 27.8753, 25.6891,
58.7482

■ 41.1979, 41.5229,
61.1022

■ 22.8153, 19.6173,
57.8429

■ 49.5657, 51.4021,
62.5681

■ 18.7452, 14.6895,
57.1062

■ 59.1358, 62.6617,
64.2370

■ 15.6001, 10.8340,
56.5278

■ 69.9531, 75.3520,
66.1163

■ 13.3068, 7.9705,
56.0960

■ 82.0602, 89.5206,
68.2130

■ 11.7814, 6.0075,
55.7975

■ 87.5427, 96.9971,
69.3672

■ 10.9196, 4.8351,
55.6166

■ 10.7160, 4.5636,
55.5749

Harmonies

Analogous

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



30.0938, 32.9694, 61.2623



33.9836, 32.9694, 59.8309



37.4128, 32.9694, 51.3194

Triad

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



33.9836, 32.9694, 59.8309



36.3387, 32.9694, 21.8796



24.5602, 32.9694, 32.4105

Complementary

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



33.9836, 32.9694, 59.8309



49.3995, 54.4885, 35.9318

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.



25.9564, 32.9694, 23.9242



33.9836, 32.9694, 59.8309



32.6128, 32.9694, 18.7254

Square

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



33.9836, 32.9694, 59.8309



38.8482, 32.9694, 29.0146



28.8304, 32.9694, 19.3877



24.8613, 32.9694, 43.7923

Rectangle

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



33.9836, 32.9694, 59.8309



38.8743, 32.9694, 43.5893



28.8304, 32.9694, 19.3877



24.8419, 32.9694, 29.1694

Sweetspot

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



33.9847, 32.9707, 59.8317



82.2148, 84.8856, 106.6591



43.1305, 52.0820, 60.3536



17.1131, 17.5979, 22.7447



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.



33.9847, 32.9707, 59.8317



51.6046, 48.6148, 101.2715



37.7290, 33.9533, 59.8240



10.1199, 10.4139, 13.3942



6.7642, 2.9223, 34.9519



0.3431, 0.1840, 1.6626

Inverse Universe

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



40.3457, 35.8654, 34.5033



64.4538, 54.5781, 50.0826



44.8039, 53.4859, 35.9805



10.6658, 10.6497, 11.2235



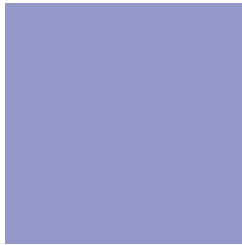
15.2136, 7.8350, 1.0686



0.7319, 0.3756, 0.1113

Previews

White Background



This preview shows how the XYZ color 33.9836, 32.9694, 59.8309 looks on a white background.

Color Contrast Check

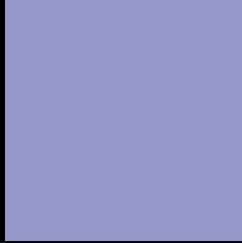
Large Text (above 18pt) WCAG AA × Fail

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 33.9836, 32.9694, 59.8309 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 33.9836, 32.9694, 59.8309

Background



This preview shows how black text looks on a background with the XYZ color 33.9836, 32.9694, 59.8309.



This preview shows how white text looks on a background with the XYZ color 33.9836, 32.9694,

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

33.9836, 32.9694, 59.8309

Protanopia

33.3716, 33.1263, 60.5122

Deuteranopia

33.7879, 33.1105, 59.8685



Tritanopia

30.6379, 33.1068, 42.8057

Trichromacy



Original Color

33.9836, 32.9694, 59.8309

Protanomaly

33.5535, 32.9760, 60.4737

Deuteranomaly

33.9665, 33.2026, 59.8768

Tritanomaly

31.7306, 33.0424, 48.4215

Monochromacy



Original Color

33.9836, 32.9694, 59.8309

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.3046, 33.1936, 43.7341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9836, 32.9694, 59.8309 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(148, 152, 201)` looks like.

```
.text, #text, p{  
    color:rgb(148, 152, 201)  
}
```

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(148, 152, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 152, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.9836, 32.9694, 59.8309 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(148, 152, 201) }
```


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

```
.border{ border-color:rgb(148, 152, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 152, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 152, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 152, 201);  
box-shadow:4px 4px 4px 4px rgb(148, 152,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9836, 32.9694, 59.8309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 152, 201) }
```

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

```
.background{ background-color: rgb(148,  
152, 201) }
```

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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