

Converting Colors

XYZ(33.8645, 32.4707, 57.9137)

Have a look what the booklet for
XYZ(33.8645, 32.4707, 57.9137)
contains.

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Color

**XYZ(33.8619, 32.4692,
57.9086)**

Conversions

Conversions Part 1

Format	Color
Hex	9796C6
RGB	151, 150, 198
RGB Percent	59%, 59%, 78%
CMY	0.4078, 0.4118, 0.2235
CMYK	0.24, 0.24, 0.00, 0.22
HSL	241°, 30%, 68%
HSV	241°, 24%, 78%
XYZ	33.8619, 32.4692, 57.9086
YIQ	155.7710, -14.8120, 15.1400

Conversions

Conversions Part 2

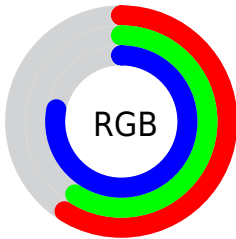
Format	Color
R_{YB}	151, 150, 198
Decimal	9934534
CIE _{Lab}	63.73, 10.80, -24.58
CIE _{LCh}	64, 26.844, 293.715
Yxy	32.4692, 0.2726, 0.2613
Android (android.graphics.Color)	4288124614 (0xFF9796C6)
YUV	155.7710, 20.8189, -4.1842
Hunter-Lab	56.9818, 6.3571, -20.3672

Details

The XYZ color **33.8619, 32.4692, 57.9086** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.7260, 54.4613, 36.7994**, and the grayscale version is **31.4137, 33.0497, 35.9911**.

A 20% lighter version of the original color is **65.0965, 63.5275, 103.4388**, and **14.6415, 13.5899, 28.2370** is the 20% darker color. If you saturate the color by 10%, you get **27.6584, 24.9711, 56.7888**, and if you desaturate by 10%, it is **41.1931, 41.3426, 59.2355**.

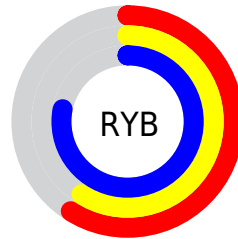
Distribution



Red (59%)

Green (59%)

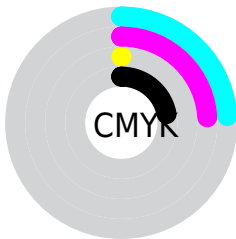
Blue (78%)



Red (59%)

Yellow (59%)

Blue (78%)

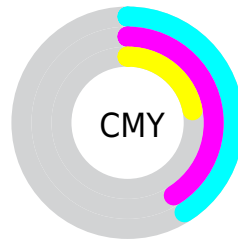


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (22%)



Cyan (41%)

Magenta (41%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8619, 32.4692, 57.9086 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 33.8619, 32.4692, 57.9086 by changing the saturation by 10% instead.

■ 33.8619, 32.4692,
57.9086

■ 33.8619, 32.4692,
57.9086

311.1126,
313.2511, 434.4340

■ 22.9499, 21.7201,
41.3210

■ 65.0646, 63.5459,
103.3032

■ 14.6770, 13.6514,
28.2484

■ 86.0860, 84.6424,
132.9473

■ 8.6779, 7.8786,
18.2723

111.2079,
109.9567, 167.7805

■ 4.5871, 4.0174,
10.9742

140.7957,
139.8734, 208.2215

■ 2.0393, 1.6833,
5.9355

175.2147,
174.7768, 254.6889

■ 0.6559, 0.4128,
2.7378

214.8303,

■ 0.0000, 0.0000,

215.0513, 307.6010

0.9624

260.0078,
261.0812, 367.3766

■ 0.0000, 0.0000,
0.0000

■ 33.8619, 32.4692,
57.9086

■ 33.8619, 32.4692,
57.9086

■ 27.6584, 24.9711,
56.7888

■ 41.1931, 41.3426,
59.2355

■ 22.5236, 18.7759,
55.8637

■ 49.7007, 51.6512,
60.7768

■ 18.3983, 13.8105,
55.1227

■ 59.4342, 63.4560,
62.5424

■ 15.2158, 9.9928,
54.5535

■ 70.4398, 76.8133,
64.5406

■ 12.9018, 7.2312,
54.1424

■ 82.7607, 91.7767,
66.7794

■ 11.3706, 5.4195,
53.8735

■ 87.1932, 96.8573,
67.5264

■ 10.5192, 4.4299,
53.7273

■ 10.2448, 4.1039,
53.6788

Harmonies

Analogous

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



30.0760, 32.4692, 60.1953



33.8619, 32.4692, 57.9086



37.0653, 32.4692, 49.0818

Triad

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



33.8619, 32.4692, 57.9086



35.3418, 32.4692, 21.1483



24.2162, 32.4692, 33.1341

Complementary

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



33.8619, 32.4692, 57.9086



48.7260, 54.4613, 36.7994

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.



25.3908, 32.4692, 24.4582



33.8619, 32.4692, 57.9086



31.6595, 32.4692, 18.5039

Square

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



33.8619, 32.4692, 57.9086



37.9671, 32.4692, 27.6606



28.0429, 32.4692, 19.5790



24.7020, 32.4692, 44.3547

Rectangle

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



33.8619, 32.4692, 57.9086



38.3362, 32.4692, 41.4852



28.0429, 32.4692, 19.5790



24.4267, 32.4692, 29.8578

Sweetspot

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



33.8630, 32.4705, 57.9093



83.4771, 85.9697, 106.8018



42.7833, 50.5855, 60.9357



17.6649, 18.1555, 22.8233



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.



33.8630, 32.4705, 57.9093



54.0150, 50.3051, 101.4707



38.7348, 34.9820, 58.1373



10.0768, 10.2978, 13.3741



6.6713, 2.6734, 34.9088



0.3232, 0.1303, 1.6533

Inverse Universe

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



44.2741, 37.8509, 57.7968



75.5771, 61.4493, 101.1911



42.9779, 51.4980, 36.5304



11.0732, 10.8127, 13.3688



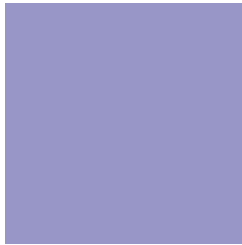
21.4731, 10.3388, 34.0309



1.0199, 0.4908, 1.6277

Previews

White Background



This preview shows how the XYZ color 33.8619, 32.4692, 57.9086 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 33.8619, 32.4692, 57.9086 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 33.8619, 32.4692, 57.9086

Background



This preview shows how black text looks on a background with the XYZ color 33.8619, 32.4692, 57.9086.



This preview shows how white text looks on a background with the XYZ color 33.8619, 32.4692,

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

33.8619, 32.4692, 57.9086

Protanopia

32.9719, 32.7034, 59.2182

Deuteranopia

33.1137, 32.3214, 57.9195



Tritanopia

30.6334, 32.6238, 41.7283

Trichromacy



Original Color

33.8619, 32.4692, 57.9086

Protanomaly

33.2141, 32.5997, 58.5746

Deuteranomaly

33.4724, 32.5063, 57.9362

Tritanomaly

31.7249, 32.5689, 47.2622

Monochromacy



Original Color

33.8619, 32.4692, 57.9086

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2327, 32.9215, 43.1837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8619, 32.4692, 57.9086 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(151, 150, 198)` looks like.

```
.text, #text, p{  
    color:rgb(151, 150, 198)  
}
```

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(151, 150, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 150, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.8619, 32.4692, 57.9086 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(151, 150, 198) }
```


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

```
.border{ border-color:rgb(151, 150, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 150, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 150, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 150, 198);  
box-shadow:4px 4px 4px 4px rgb(151, 150,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8619, 32.4692, 57.9086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 150, 198) }
```

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

```
.background{ background-color: rgb(151,  
150, 198) }
```

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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