

Converting Colors

XYZ(32.8136, 39.2773, 33.8041)

Have a look what the booklet for
XYZ(32.8136, 39.2773, 33.8041)
contains.

XYZ(32.9033, 39.3918, 33.8862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.9033, 39.3918,
33.8862)**

Conversions

Conversions Part 1

Format	Color
Hex	93B094
RGB	147, 176, 148
RGB Percent	58%, 69%, 58%
CMY	0.4235, 0.3098, 0.4196
CMYK	0.16, 0.00, 0.16, 0.31
HSL	122°, 16%, 63%
HSV	122°, 16%, 69%
XYZ	32.9033, 39.3918, 33.8862
YIQ	164.1370, -8.2960, -14.8560

Conversions

Conversions Part 2

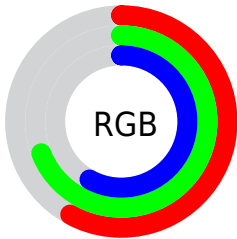
Format	Color
RYB	147, 175, 176
Decimal	9678996
CIELab	69.03, -15.45, 11.08
CIELCh	69, 19.009, 144.361
Yxy	39.3918, 0.3099, 0.3710
Android (android.graphics.Color)	4287869076 (0xFF93B094)
YUV	164.1370, -7.9555, -15.0291
Hunter-Lab	62.7629, -16.2568, 11.9229

Details

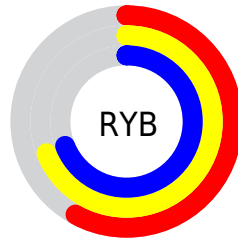
The XYZ color **32.9033, 39.3918, 33.8862** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.0775, 33.1937, 45.0649**, and the grayscale version is **35.3922, 37.2354, 40.5493**.

A 20% lighter version of the original color is **63.6047, 74.3950, 66.8845**, and **14.0645, 17.5158, 13.9489** is the 20% darker color. If you saturate the color by 10%, you get **28.7377, 37.3896, 27.1779**, and if you desaturate by 10%, it is **37.7515, 41.7253, 41.6590**.

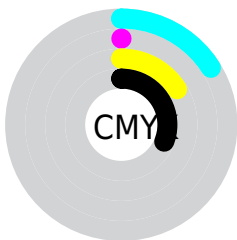
Distribution



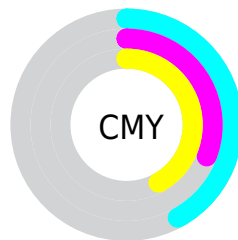
- Red (58%)
- Green (69%)
- Blue (58%)



- Red (58%)
- Yellow (69%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (42%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9033, 39.3918, 33.8862 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 32.9033, 39.3918, 33.8862 by changing the saturation by 10% instead.


 32.9033, 39.3918,
33.8862


 32.9033, 39.3918,
33.8862


306.8865,
343.5534, 334.3780

 22.2113, 27.0647,
22.5295


 63.5802, 74.2365,
66.8885

 14.1297, 17.6218,
14.0445


 84.2958, 97.5228,
89.3713

 8.2932, 10.6788,
8.0125

109.0833,
125.2310, 116.3998

 4.3365, 5.8513,
4.0151

138.3080,
157.7454, 148.3926

 1.8942, 2.7549,
1.6336

172.3353,
195.4504, 185.7683

 0.5735, 1.0051,
0.3146

211.5306,

 0.0000, 0.0000,

238.7305, 228.9454

0.0000

256.2592,
287.9701, 278.3425

■ 32.9033, 39.3918,
33.8862

■ 32.9033, 39.3918,
33.8862

■ 28.7377, 37.3896,
27.1779

■ 37.7515, 41.7253,
41.6590

■ 25.2209, 35.6991,
21.4853

■ 43.3076, 44.3988,
50.5370

■ 22.3214, 34.3059,
16.7597

■ 49.5995, 47.4270,
60.5620

■ 20.0034, 33.1929,
12.9474

■ 56.6528, 50.8223,
71.7728

■ 18.2278, 32.3412,
9.9894

■ 64.4916, 54.5963,
84.2065

■ 16.9505, 31.7294,
7.8200

■ 73.1394, 58.7602,
97.8985

■ 16.1203, 31.3328,
6.3637

■ 74.8161, 59.5321,
102.1554

■ 15.6703, 31.1188,
5.5302

■ 15.5593, 31.0654,
5.3504

Harmonies

Analogous

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



35.0889, 39.3918, 29.4178



32.9033, 39.3918, 33.8862



31.9378, 39.3918, 41.2726

Triad

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



32.9033, 39.3918, 33.8862



36.8713, 39.3918, 61.7273



43.0019, 39.3918, 36.3709

Complementary

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



32.9033, 39.3918, 33.8862



36.0775, 33.1937, 45.0649

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.



43.5420, 39.3918, 44.5511



32.9033, 39.3918, 33.8862



39.8953, 39.3918, 59.9540

Square

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



32.9033, 39.3918, 33.8862



34.1481, 39.3918, 57.9281



42.3772, 39.3918, 53.3644



40.9385, 39.3918, 30.7112

Rectangle

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



32.9033, 39.3918, 33.8862



32.0764, 39.3918, 47.1634



42.3772, 39.3918, 53.3644



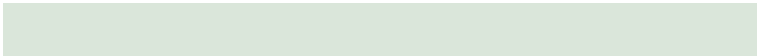
43.3721, 39.3918, 38.8847

Sweetspot

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



32.9044, 39.3935, 33.8871



69.7888, 76.3090, 77.6695



38.4801, 42.2770, 33.7365



14.9824, 16.4691, 16.6051



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9044, 39.3935, 33.8871



56.6056, 69.9672, 56.5218



34.1223, 39.8807, 40.3009



8.4005, 9.4947, 9.1025



11.4201, 22.7940, 3.9493



0.3632, 0.7188, 0.1448

Inverse Universe

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



36.0775, 33.1937, 45.0649



63.5225, 56.4523, 80.8869



34.7314, 32.6553, 37.9766



8.8371, 8.6416, 10.6407



18.4604, 8.9017, 28.6479



0.5847, 0.2816, 0.9219

Previews

White Background



This preview shows how the XYZ color 32.9033, 39.3918, 33.8862 looks on a white background.

Color Contrast Check

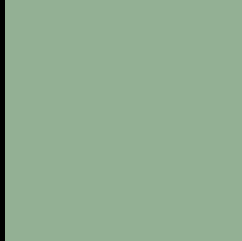
Large Text (above 18pt) WCAG AA × Fail

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 32.9033, 39.3918, 33.8862 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 32.9033, 39.3918, 33.8862

Background



This preview shows how black text looks on a background with the XYZ color 32.9033, 39.3918, 33.8862.



This preview shows how white text looks on a background with the XYZ color 32.9033, 39.3918,

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

32.9033, 39.3918, 33.8862

Protanopia

37.1681, 39.3660, 32.0250

Deuteranopia

39.9921, 39.1514, 34.7273



Tritanopia

36.3515, 39.3588, 51.0285

Trichromacy



Original Color

32.9033, 39.3918, 33.8862

Protanomaly

35.3996, 39.2771, 32.5036

Deuteranomaly

37.0029, 38.9534, 34.4227

Tritanomaly

35.0568, 39.4067, 44.2866

Monochromacy



Original Color

32.9033, 39.3918, 33.8862

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2747, 37.7430, 37.8264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9033, 39.3918, 33.8862 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(147, 176, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 176, 148)  
}
```

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(147, 176, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 176, 148) }
```

Border

The CSS property to change the border of an element to XYZ 32.9033, 39.3918, 33.8862 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(147, 176, 148) }
```


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

```
.border{ border-color:rgb(147, 176, 148) }
```

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

Here you see how a box with a 4 pixel rgb(147, 176, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 176, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 176, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 176,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9033, 39.3918, 33.8862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 176, 148) }
```

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

```
.background{ background-color: rgb(147,  
176, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor