

Converting Colors

XYZ(34.0718, 39.4619, 24.0386)

Have a look what the booklet for
XYZ(34.0718, 39.4619, 24.0386)
contains.

XYZ(33.9118, 39.2669, 23.8811)	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(33.9118, 39.2669,
23.8811)**

Conversions

Conversions Part 1

Format	Color
Hex	A5AD79
RGB	165, 173, 121
RGB Percent	65%, 68%, 47%
CMY	0.3529, 0.3216, 0.5255
CMYK	0.05, 0.00, 0.30, 0.32
HSL	69°, 24%, 58%
HSV	69°, 30%, 68%
XYZ	33.9118, 39.2669, 23.8811
YIQ	164.6800, 11.9240, -17.8680

Conversions

Conversions Part 2

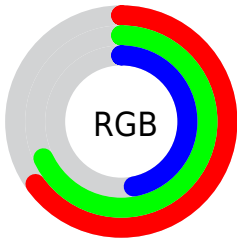
Format	Color
RYB	121, 173, 129
Decimal	10857849
CIELab	68.94, -11.51, 25.84
CIELCh	69, 28.290, 114.007
Yxy	39.2669, 0.3494, 0.4046
Android (android.graphics.Color)	4289047929 (0xFFA5AD79)
YUV	164.6800, -21.5342, 0.2806
Hunter-Lab	62.6633, -13.0611, 21.2688

Details

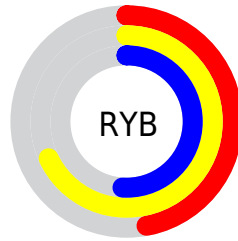
The XYZ color **33.9118, 39.2669, 23.8811** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.4349, 21.3600, 42.4251**, and the grayscale version is **35.7075, 37.5671, 40.9106**.

A 20% lighter version of the original color is **65.2022, 73.9149, 50.8749**, and **14.6892, 17.5874, 8.7514** is the 20% darker color. If you saturate the color by 10%, you get **32.3969, 38.5990, 18.7601**, and if you desaturate by 10%, it is **35.6306, 40.0204, 30.0064**.

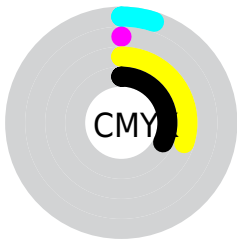
Distribution



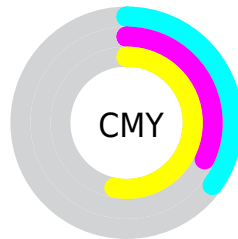
- Red (65%)
- Green (68%)
- Blue (47%)



- Red (47%)
- Yellow (68%)
- Blue (51%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (32%)



- Cyan (35%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9118, 39.2669, 23.8811 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 33.9118, 39.2669, 23.8811 by changing the saturation by 10% instead.

■ 33.9118, 39.2669,
23.8811

■ 33.9118, 39.2669,
23.8811

311.3314,
343.0239, 285.4860

■ 22.9884, 26.9674,
15.0341

■ 65.1417, 74.0459,
50.7775

■ 14.7056, 17.5488,
8.6964

■ 86.1789, 97.2942,
69.6639

■ 8.6980, 10.6265,
4.4496

■ 111.3181,
124.9608, 92.7339

■ 4.6003, 5.8163,
1.8751

140.9247,
157.4303, 120.4060

■ 2.0470, 2.7337,
0.4768

175.3639,
195.0869, 153.0987

■ 0.6602, 0.9943,
0.0000

215.0012,

■ 0.0000, 0.0000,

238.3152, 191.2306

0.0000

260.2019,
287.4993, 235.2202

■ 33.9118, 39.2669,
23.8811

■ 33.9118, 39.2669,
23.8811

■ 32.3969, 38.5990,
18.7601

■ 35.6306, 40.0204,
30.0064

■ 31.0726, 38.0072,
14.5875

■ 37.5596, 40.8580,
37.1831

■ 29.9287, 37.4890,
11.3053


■ 39.7089, 41.7851,
45.4584


■ 28.9527, 37.0392,
8.8486


■ 42.0867, 42.8049,
54.8758


■ 28.1307, 36.6523,
7.1434

■ 44.7009, 43.9206,
65.4765


 27.4459, 36.3217,
6.1028

 47.5589, 45.1353,
77.2996

 26.8655, 36.0343,
5.5394

 50.6681, 46.4518,
90.3825

 53.3177, 47.5858,
100.9826

 53.9720, 47.9231,
101.0132

Harmonies

Analogous

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



38.2325, 39.2669, 22.5450



33.9118, 39.2669, 23.8811



30.7510, 39.2669, 29.7850

Triad

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



33.9118, 39.2669, 23.8811



32.4653, 39.2669, 66.0970



46.6038, 39.2669, 45.3941

Complementary

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



33.9118, 39.2669, 23.8811



23.4349, 21.3600, 42.4251

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.



44.7682, 39.2669, 59.0306



33.9118, 39.2669, 23.8811



36.4261, 39.2669, 72.4321

Square

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



33.9118, 39.2669, 23.8811



29.9640, 39.2669, 53.6481



40.9535, 39.2669, 69.6159



45.7955, 39.2669, 33.4463

Rectangle

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



33.9118, 39.2669, 23.8811



29.6082, 39.2669, 36.2857



40.9535, 39.2669, 69.6159



46.2712, 39.2669, 49.9508

Sweetspot

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



33.9128, 39.2686, 23.8819



67.5945, 73.3140, 67.8435



28.5100, 25.9137, 21.5889



14.5775, 15.8842, 14.3182



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.9128, 39.2686, 23.8819



58.9097, 69.5205, 36.5459



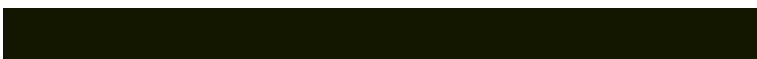
29.0770, 36.7757, 23.6556



8.5398, 9.2669, 8.5520



19.7745, 26.4912, 4.0711



0.5822, 0.7535, 0.1148

Inverse Universe

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



23.4349, 21.3600, 42.4251



37.1440, 32.3068, 75.0839



27.8607, 23.6416, 42.6322



7.6894, 7.8142, 10.0557



5.8983, 2.4005, 29.1970



0.1984, 0.0845, 0.8138

Previews

White Background



This preview shows how the XYZ color 33.9118, 39.2669, 23.8811 looks on a white background.

Color Contrast Check

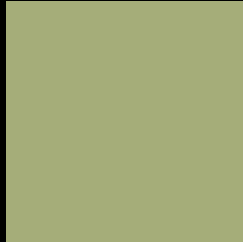
Large Text (above 18pt) WCAG AA × Fail

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 33.9118, 39.2669, 23.8811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

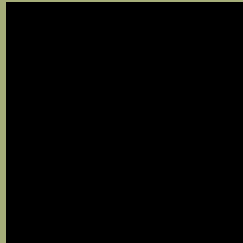
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9118, 39.2669, 23.8811

Background



This preview shows how black text looks on a background with the XYZ color 33.9118, 39.2669, 23.8811.



This preview shows how white text looks on a background with the XYZ color 33.9118, 39.2669,

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

33.9118, 39.2669, 23.8811

Protanopia

36.3885, 39.1609, 23.0937

Deuteranopia

39.9361, 39.0871, 24.5085



Tritanopia

38.7862, 39.2978, 48.1888

Trichromacy



Original Color

33.9118, 39.2669, 23.8811

Protanomaly

35.4441, 39.2195, 23.4713

Deuteranomaly

37.5238, 38.9051, 24.2706

Tritanomaly

36.7217, 39.2796, 37.9940

Monochromacy



Original Color

33.9118, 39.2669, 23.8811

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.9445, 38.1745, 33.9604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9118, 39.2669, 23.8811 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(165, 173, 121)` looks like.

```
.text, #text, p{  
    color:rgb(165, 173, 121)  
}
```

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(165, 173, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 173, 121) }
```

Border

The CSS property to change the border of an element to XYZ 33.9118, 39.2669, 23.8811 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(165, 173, 121) }
```


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

```
.border{ border-color:rgb(165, 173, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 173, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 173, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 173, 121);  
box-shadow:4px 4px 4px 4px rgb(165, 173,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9118, 39.2669, 23.8811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 173, 121) }
```

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

```
.background{ background-color: rgb(165,  
173, 121) }
```

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