

Converting Colors

XYZ(34.0937, 39.6108, 13.5018)

Have a look what the booklet for
XYZ(34.0937, 39.6108, 13.5018)
contains.

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Color

**XYZ(34.0707, 39.5803,
13.4335)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAD50
RGB	175, 173, 80
RGB Percent	69%, 68%, 31%
CMY	0.3137, 0.3215, 0.6863
CMYK	0.00, 0.01, 0.54, 0.31
HSL	59°, 37%, 50%
HSV	59°, 54%, 69%
XYZ	34.0707, 39.5803, 13.4335
YIQ	162.9960, 31.0450, -28.4990

Conversions

Conversions Part 2

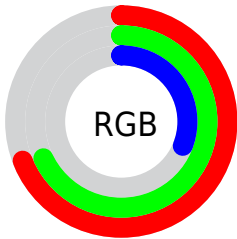
Format	Color
R_{YB}	82, 175, 80
Decimal	11513168
CIE _{Lab}	69.17, -11.93, 47.28
CIE _{LCh}	69, 48.761, 104.160
Yxy	39.5803, 0.3912, 0.4545
Android (android.graphics.Color)	4289703248 (0xFFAFAD50)
YUV	162.9960, -40.9170, 10.5275
Hunter-Lab	62.9129, -13.4302, 31.3791

Details

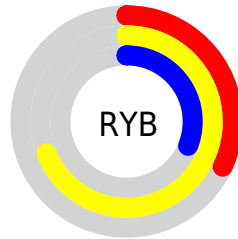
The XYZ color **34.0707, 39.5803, 13.4335** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.0634, 10.8349, 41.9073**, and the grayscale version is **34.9886, 36.8107, 40.0869**.

A 20% lighter version of the original color is **65.1870, 74.3086, 32.7371**, and **14.7927, 17.7517, 3.7454** is the 20% darker color. If you saturate the color by 10%, you get **33.4366, 39.2155, 10.4372**, and if you desaturate by 10%, it is **34.8753, 40.0165, 17.3184**.

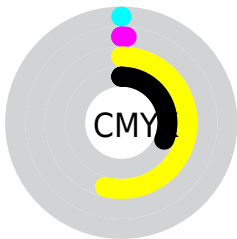
Distribution



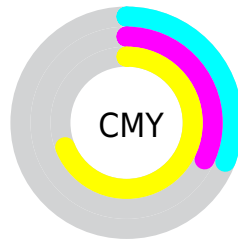
- Red (69%)
- Green (68%)
- Blue (31%)



- Red (32%)
- Yellow (69%)
- Blue (31%)



- Cyan (0%)
- Magenta (1%)
- Yellow (54%)
- Black (31%)



- Cyan (31%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0707, 39.5803, 13.4335 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 34.0707, 39.5803, 13.4335 by changing the saturation by 10% instead.

■ 34.0707, 39.5803,
13.4335

■ 34.0707, 39.5803,
13.4335

312.0276,
344.3514, 224.9821

■ 23.1111, 27.2115,
7.5935

■ 65.3872, 74.5240,
32.7829

■ 14.7967, 17.7321,
3.7519

■ 86.4747, 97.8676,
47.1295

■ 8.7622, 10.7578,
1.4903

■ 111.6689,
125.6383, 65.1486

■ 4.6423, 5.9042,
0.2107

■ 141.3351,
158.2205, 87.2589

■ 2.0715, 2.7869,
0.0000

■ 175.8388,
195.9984, 113.8788

■ 0.6737, 1.0215,
0.0000

215.5452,

■ 0.0000, 0.0000,

239.3567, 145.4270

0.0000

260.8196,
288.6795, 182.3219

■ 34.0707, 39.5803,
13.4335

■ 34.0707, 39.5803,
13.4335

■ 33.4366, 39.2155,
10.4372

■ 34.8753, 40.0165,
17.3184

■ 32.9567, 38.9113,
8.2566

■ 35.8595, 40.5234,
22.1523

■ 32.6168, 38.6633,
6.8114

■ 37.0352, 41.1072,
27.9931

■ 32.3981, 38.4642,
6.0040

■ 38.4122, 41.7718,
34.8935

■ 32.3035, 38.3627,
5.7022

■ 39.9999, 42.5210,
42.9024

■ 41.8071, 43.3583,
52.0658

■ 43.8418, 44.2870,
62.4271

■ 46.1121, 45.3102,
74.0272

■ 48.6252, 46.4308,
86.9053

Harmonies

Analogous

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



41.8617, 39.5803, 13.5839



34.0707, 39.5803, 13.4335



28.1132, 39.5803, 19.0516

Triad

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



34.0707, 39.5803, 13.4335



27.8580, 39.5803, 80.4571



53.9622, 39.5803, 55.9087

Complementary

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



34.0707, 39.5803, 13.4335



14.0634, 10.8349, 41.9073

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.



49.0592, 39.5803, 81.8145



34.0707, 39.5803, 13.4335



33.6747, 39.5803, 98.9956

Square

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



34.0707, 39.5803, 13.4335



24.8765, 39.5803, 54.4746



41.4074, 39.5803, 99.5640



54.1071, 39.5803, 33.4241

Rectangle

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



34.0707, 39.5803, 13.4335



25.6769, 39.5803, 26.9617



41.4074, 39.5803, 99.5640



52.7885, 39.5803, 64.6472

Sweetspot

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



34.0716, 39.5821, 13.4343



68.2744, 74.5632, 59.8753



22.1158, 15.4788, 10.0400



15.0612, 16.5180, 12.7382



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.



34.0716, 39.5821, 13.4343



59.7060, 70.1258, 17.8687



26.0866, 36.0377, 13.1710



8.6480, 9.3009, 8.5528



23.1397, 27.4849, 4.0855



0.6481, 0.7734, 0.1151

Inverse Universe

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



14.0634, 10.8349, 41.9073



20.1762, 13.3390, 74.1481



18.9673, 13.1429, 42.0943



7.5919, 7.7832, 10.0549



5.5756, 2.2851, 29.1917



0.1594, 0.0721, 0.8135

Previews

White Background



This preview shows how the XYZ color 34.0707, 39.5803, 13.4335 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 34.0707, 39.5803, 13.4335 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 34.0707, 39.5803, 13.4335

Background



This preview shows how black text looks on a background with the XYZ color 34.0707, 39.5803, 13.4335.



This preview shows how white text looks on a background with the XYZ color 34.0707, 39.5803,

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

34.0707, 39.5803, 13.4335

Protanopia

36.0928, 39.5052, 13.1201

Deuteranopia

40.3186, 39.5242, 13.6875



Tritanopia

40.9412, 39.6433, 46.5684

Trichromacy



Original Color

34.0707, 39.5803, 13.4335

Protanomaly

35.3144, 39.3812, 13.1372

Deuteranomaly

37.7431, 39.2552, 13.5704

Tritanomaly

37.6825, 39.3843, 30.8151

Monochromacy



Original Color

34.0707, 39.5803, 13.4335

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.9887, 37.5464, 27.6461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0707, 39.5803, 13.4335 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(175, 173, 80)` looks like.

```
.text, #text, p{  
    color:rgb(175, 173, 80)  
}
```

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(175, 173, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 173, 80) }
```

Border

The CSS property to change the border of an element to XYZ 34.0707, 39.5803, 13.4335 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(175, 173, 80) }
```


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

```
.border{ border-color:rgb(175, 173, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 173, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 173, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 173, 80);  
box-shadow:4px 4px 4px 4px rgb(175, 173,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0707, 39.5803, 13.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 173, 80) }
```

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

```
.background{ background-color: rgb(175,  
173, 80) }
```

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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