

Converting Colors

XYZ(33.8370, 41.1203, 11.9407)

Have a look what the booklet for
XYZ(33.8370, 41.1203, 11.9407)
contains.

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Color

**XYZ(34.0202, 41.3403,
11.9808)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB346
RGB	171, 179, 70
RGB Percent	67%, 70%, 27%
CMY	0.3294, 0.2980, 0.7255
CMYK	0.04, 0.00, 0.61, 0.30
HSL	64°, 44%, 49%
HSV	64°, 61%, 70%
XYZ	34.0202, 41.3403, 11.9808
YIQ	164.1820, 30.2210, -35.5950

Conversions

Conversions Part 2

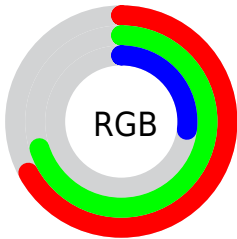
Format	Color
RYB	70, 179, 78
Decimal	11252550
CIELab	70.41, -17.47, 53.15
CIELCh	70, 55.947, 108.192
Yxy	41.3403, 0.3895, 0.4733
Android (android.graphics.Color)	4289442630 (0xFFABB346)
YUV	164.1820, -46.4317, 5.9794
Hunter-Lab	64.2964, -18.0717, 33.9596

Details

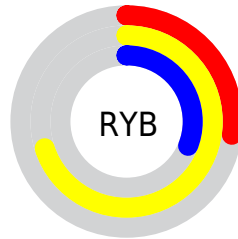
The XYZ color **34.0202, 41.3403, 11.9808** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.4701, 9.2557, 43.7268**, and the grayscale version is **35.5785, 37.4313, 40.7627**.

A 20% lighter version of the original color is **65.2784, 77.3407, 30.2266**, and **14.7181, 18.6566, 3.1125** is the 20% darker color. If you saturate the color by 10%, you get **33.2528, 41.0019, 9.4225**, and if you desaturate by 10%, it is **34.9608, 41.7513, 15.4278**.

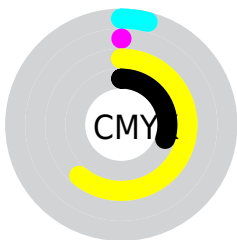
Distribution



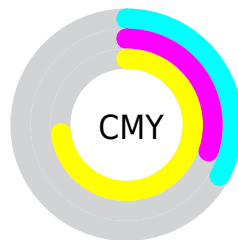
- Red (67%)
- Green (70%)
- Blue (27%)



- Red (27%)
- Yellow (70%)
- Blue (31%)



- Cyan (4%)
- Magenta (0%)
- Yellow (61%)
- Black (30%)





- Cyan (33%)
- Magenta (30%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0202, 41.3403, 11.9808 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 34.0202, 41.3403, 11.9808 by changing the saturation by 10% instead.


 34.0202, 41.3403,
11.9808


 34.0202, 41.3403,
11.9808


311.8064,
351.7409, 215.2515


 23.0721, 28.5851,
6.6082


 65.3092, 77.2002,
30.1240


 14.7677, 18.7672,
3.1436


 86.3807, 101.0737,
43.7317


 8.7418, 11.5022,
1.1684


 111.5575,
129.4221, 60.9216

 4.6289, 6.4057,
0.0000

 141.2047,
162.6297, 82.1121

 2.0637, 3.0933,
0.0000

 175.6879,
201.0810, 107.7218

 0.6694, 1.1806,
0.0000

215.3724,

 0.0000, 0.0458,

245.1604, 138.1692

0.0000

260.6234,
295.2522, 173.8730

■ 0.0000, 0.0000,
0.0000

■ 34.0202, 41.3403,
11.9808

■ 34.0202, 41.3403,
11.9808

■ 33.2528, 41.0019,
9.4225

■ 34.9608, 41.7513,
15.4278

■ 32.6402, 40.7243,
7.6690

■ 36.0854, 42.2347,
19.8326

■ 32.1650, 40.5020,
6.6245

■ 37.4070, 42.7973,
25.2602

■ 31.8173, 40.3338,
6.1083

■ 38.9368, 43.4434,
31.7693

■ 40.6852, 44.1774,
39.4142

■ 42.6618, 45.0029,
48.2455

■ 44.8755, 45.9236,
58.3107

■ 47.3350, 46.9430,
69.6548

■ 50.0483, 48.0642,
82.3205

Harmonies

Analogous

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



43.0286, 41.3403, 11.3862



34.0202, 41.3403, 11.9808



27.5176, 41.3403, 18.9644

Triad

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



34.0202, 41.3403, 11.9808



28.6317, 41.3403, 94.3757



59.2969, 41.3403, 56.2074

Complementary

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



34.0202, 41.3403, 11.9808



13.4701, 9.2557, 43.7268

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.



54.0230, 41.3403, 87.9854



34.0202, 41.3403, 11.9808



35.7796, 41.3403, 115.1272

Square

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



34.0202, 41.3403, 11.9808



24.7579, 41.3403, 62.7718



45.0836, 41.3403, 112.4157



58.6281, 41.3403, 30.9651

Rectangle

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



34.0202, 41.3403, 11.9808



25.0399, 41.3403, 28.6800



45.0836, 41.3403, 112.4157



58.1304, 41.3403, 66.6012

Sweetspot

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



34.0212, 41.3422, 11.9817



70.5032, 78.1265, 60.2404



22.3699, 15.3721, 7.5830



15.4296, 17.2288, 12.5219



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.0212, 41.3422, 11.9817



59.1555, 73.2512, 15.6731



24.5947, 36.4827, 11.5405



9.1342, 9.8743, 9.0770



22.5061, 28.5124, 4.3172



0.7263, 0.9065, 0.1367

Inverse Universe

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



13.4701, 9.2557, 43.7268



19.2399, 10.8454, 77.4605



19.8074, 12.5227, 44.0234



8.0979, 8.2590, 10.6737



5.8909, 2.3727, 30.2845



0.2044, 0.0844, 0.9538

Previews

White Background



This preview shows how the XYZ color 34.0202, 41.3403, 11.9808 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 34.0202, 41.3403, 11.9808 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 34.0202, 41.3403, 11.9808

Background



This preview shows how black text looks on a background with the XYZ color 34.0202, 41.3403, 11.9808.



This preview shows how white text looks on a background with the XYZ color 34.0202, 41.3403,

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

34.0202, 41.3403, 11.9808

Protanopia

37.5341, 41.1289, 11.4292

Deuteranopia

41.9860, 41.2051, 12.3971



Tritanopia

41.6345, 41.2865, 49.4908

Trichromacy



Original Color

34.0202, 41.3403, 11.9808

Protanomaly

36.1713, 41.2800, 11.6916

Deuteranomaly

38.6793, 40.8627, 12.1520

Tritanomaly

37.9203, 40.8931, 31.0938

Monochromacy



Original Color

34.0202, 41.3403, 11.9808

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1536, 38.2031, 26.6929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0202, 41.3403, 11.9808 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(171, 179, 70)` looks like.

```
.text, #text, p{  
    color:rgb(171, 179, 70)  
}
```

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(171, 179, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 179, 70) }
```

Border

The CSS property to change the border of an element to XYZ 34.0202, 41.3403, 11.9808 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(171, 179, 70) }
```


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

```
.border{ border-color:rgb(171, 179, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 179, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 179, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 179, 70);  
box-shadow:4px 4px 4px 4px rgb(171, 179,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0202, 41.3403, 11.9808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 179, 70) }
```

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

```
.background{ background-color: rgb(171,  
179, 70) }
```

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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