

Converting Colors

XYZ(29.9989, 34.9848, 5.4387)

Have a look what the booklet for
XYZ(29.9989, 34.9848, 5.4387)
contains.

XYZ(29.9411, 34.8720, 5.4114)	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(29.9411, 34.8720,
5.4114)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA309
RGB	171, 163, 9
RGB Percent	67%, 64%, 4%
CMY	0.3294, 0.3608, 0.9646
CMYK	0.00, 0.05, 0.95, 0.33
HSL	57°, 90%, 35%
HSV	57°, 95%, 67%
XYZ	29.9411, 34.8720, 5.4114
YIQ	147.8360, 54.2020, -46.1980

Conversions

Conversions Part 2

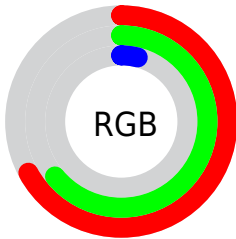
Format	Color
RYB	17, 171, 9
Decimal	11248393
CIELab	65.65, -11.73, 67.24
CIELCh	66, 68.256, 99.892
Yxy	34.8720, 0.4264, 0.4966
Android (android.graphics.Color)	4289438473 (0xFFABA309)
YUV	147.8360, -68.4461, 20.3148
Hunter-Lab	59.0525, -12.8380, 35.9036

Details

The XYZ color **29.9411, 34.8720, 5.4114** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.6641, 3.3997, 38.7801**, and the grayscale version is **28.3420, 29.8179, 32.4717**.

A 20% lighter version of the original color is **59.0797, 67.5159, 17.1258**, and **12.7336, 15.1657, 2.2562** is the 20% darker color. If you saturate the color by 10%, you get **29.8136, 34.6961, 5.1257**, and if you desaturate by 10%, it is **30.2306, 35.2297, 6.1908**.

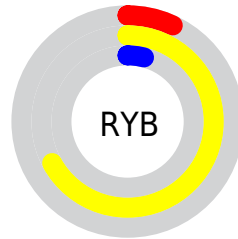
Distribution



Red (67%)

Green (64%)

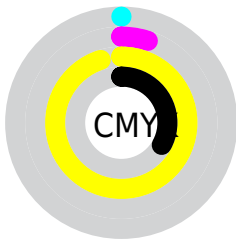
Blue (4%)



Red (7%)

Yellow (67%)

Blue (4%)

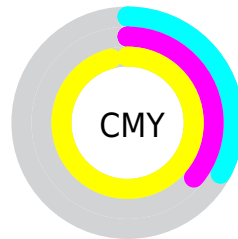


Cyan (0%)

Magenta (5%)

Yellow (95%)

Black (33%)



Cyan (33%)


Magenta (36%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9411, 34.8720, 5.4114 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 29.9411, 34.8720, 5.4114 by changing the saturation by 10% instead.


 29.9411, 34.8720,
5.4114


 29.9411, 34.8720,
5.4114


293.5446,
324.0030, 162.8160


 19.9417, 23.5643,
2.4277


 58.9563, 67.2874,
17.1525


 12.4607, 15.0107,
0.8015


 78.7028, 89.1639,
26.7469


 7.1327, 8.8269,
0.0000


 102.4291,
115.3322, 39.3820

 3.5923, 4.6285,
0.0000

 130.5005,
146.1765, 55.4762

 1.4742, 2.0310,
0.0000

 163.2824,
182.0814, 75.4482

 0.3082, 0.6254,
0.0000

 201.1402,

 0.0000, 0.0000,

223.4312, 99.7165

0.0000

244.4391,
270.6102, 128.6996

■ 29.9411, 34.8720,
5.4114

■ 29.9411, 34.8720,
5.4114

■ 29.8136, 34.6961,
5.1257

■ 30.2306, 35.2297,
6.1908

■ 30.6343, 35.6334,
7.5697

■ 31.1706, 36.0917,
9.6425

■ 31.8543, 36.6106,
12.4862

■ 32.6980, 37.1951,
16.1676

■ 33.7131, 37.8498,
20.7464

■ 34.9098, 38.5787,
26.2767

■ 36.2976, 39.3857,
32.8084

■ 37.8854, 40.2744,
40.3880

Harmonies

Analogous

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



40.2268, 34.8720, 6.1361



29.9411, 34.8720, 5.4114



22.2513, 34.8720, 9.4034

Triad

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



29.9411, 34.8720, 5.4114



20.4409, 34.8720, 85.5472



54.7524, 34.8720, 60.2987

Complementary

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



29.9411, 34.8720, 5.4114



7.6641, 3.3997, 38.7801

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.



47.1150, 34.8720, 98.0649



29.9411, 34.8720, 5.4114



26.9470, 34.8720, 117.0310

Square

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



29.9411, 34.8720, 5.4114



17.5453, 34.8720, 48.2696



36.5692, 34.8720, 122.5056



56.0039, 34.8720, 29.2503

Rectangle

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



29.9411, 34.8720, 5.4114



19.1044, 34.8720, 16.4565



36.5692, 34.8720, 122.5056



52.7832, 34.8720, 72.9603

Sweetspot

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



29.9419, 34.8736, 5.4121



61.6752, 68.5850, 43.1225



16.9944, 8.8944, 1.3562



13.5556, 15.1734, 8.7021



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.



29.9419, 34.8736, 5.4121



53.3478, 62.0449, 9.1641



19.6608, 31.7480, 5.3507



8.6283, 9.2614, 8.5462



22.4868, 26.1790, 3.8679



0.6356, 0.7484, 0.1110

Inverse Universe

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



7.6641, 3.3997, 38.7801



13.2838, 5.5041, 69.3641



10.9203, 4.9258, 38.9030



7.6094, 7.8183, 10.0607



5.6219, 2.3777, 29.2072



0.1664, 0.0863, 0.8159

Previews

White Background



This preview shows how the XYZ color 29.9411, 34.8720, 5.4114 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 29.9411, 34.8720, 5.4114 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 29.9411, 34.8720, 5.4114

Background



This preview shows how black text looks on a background with the XYZ color 29.9411, 34.8720, 5.4114.



This preview shows how white text looks on a background with the XYZ color 29.9411, 34.8720,

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

29.9411, 34.8720, 5.4114

Protanopia

31.4261, 34.8581, 5.2442

Deuteranopia

35.3189, 34.6167, 5.6843



Tritanopia

36.8952, 34.9246, 39.4469

Trichromacy



Original Color

29.9411, 34.8720, 5.4114

Protanomaly

30.9147, 34.8522, 5.2988

Deuteranomaly

33.0741, 34.4369, 5.5199

Tritanomaly

32.6738, 34.1856, 18.7863

Monochromacy



Original Color

29.9411, 34.8720, 5.4114

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.2592, 30.7135, 15.8008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9411, 34.8720, 5.4114 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, 163, 9)` looks like.

```
.text, #text, p{  
    color:rgb(171, 163, 9)  
}
```

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, 163, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 9) }
```

Border

The CSS property to change the border of an element to XYZ 29.9411, 34.8720, 5.4114 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, 163, 9) }
```


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

```
.border{ border-color:rgb(171, 163, 9) }
```

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

Here you see how a box with a 4 pixel rgb(171, 163, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 9);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9411, 34.8720, 5.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 9) }
```

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

```
.background{ background-color: rgb(171,  
163, 9) }
```

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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