

Converting Colors

XYZ(29.8747, 34.0945, 11.4548)

Have a look what the booklet for
XYZ(29.8747, 34.0945, 11.4548)
contains.

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Color

**XYZ(29.9172, 34.1996,
11.5029)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A14A
RGB	167, 161, 74
RGB Percent	65%, 63%, 29%
CMY	0.3451, 0.3686, 0.7098
CMYK	0.00, 0.04, 0.56, 0.35
HSL	56°, 39%, 47%
HSV	56°, 56%, 65%
XYZ	29.9172, 34.1996, 11.5029
YIQ	152.8760, 31.5030, -25.7850

Conversions

Conversions Part 2

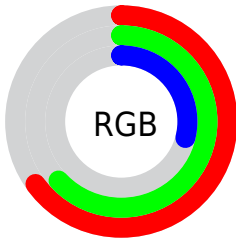
Format	Color
RYB	80, 167, 74
Decimal	10985802
CIELab	65.12, -9.54, 45.32
CIElCh	65, 46.310, 101.887
Yxy	34.1996, 0.3956, 0.4523
Android (android.graphics.Color)	4289175882 (0xFFA7A14A)
YUV	152.8760, -38.8859, 12.3867
Hunter-Lab	58.4804, -11.0244, 29.2742

Details

The XYZ color **29.9172, 34.1996, 11.5029** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.6677, 9.9829, 37.8182**, and the grayscale version is **30.3792, 31.9613, 34.8059**.

A 20% lighter version of the original color is **58.9980, 66.4397, 29.1167**, and **12.5308, 14.7205, 2.9400** is the 20% darker color. If you saturate the color by 10%, you get **29.2407, 33.6305, 8.8607**, and if you desaturate by 10%, it is **30.7464, 34.8349, 14.9336**.

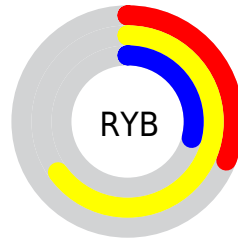
Distribution



Red (65%)

Green (63%)

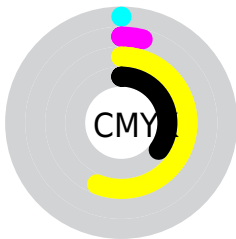
Blue (29%)



Red (31%)

Yellow (65%)

Blue (29%)

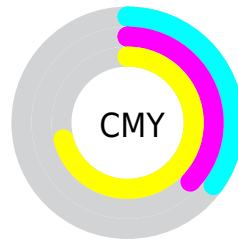


Cyan (0%)

Magenta (4%)

Yellow (56%)

Black (35%)



Cyan (35%)

Magenta (37%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9172, 34.1996, 11.5029 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 29.9172, 34.1996, 11.5029 by changing the saturation by 10% instead.

■ 29.9172, 34.1996,
11.5029

■ 29.9172, 34.1996,
11.5029

293.4351,
321.0211, 211.9458

■ 19.9235, 23.0470,
6.2878

■ 58.9187, 66.2439,
29.2372

■ 12.4474, 14.6282,
2.9492

■ 78.6573, 87.9045,
42.5934

■ 7.1235, 8.5589,
1.0688

■ 102.3749,
113.8364, 59.5004

■ 3.5865, 4.4546,
0.0000

■ 130.4368,
144.4241, 80.3767

■ 1.4710, 1.9310,
0.0000

■ 163.2084,
180.0521, 105.6408

■ 0.3059, 0.5669,
0.0000

201.0551,

■ 0.0000, 0.0000,

221.1046, 135.7113

0.0000

244.3422,
267.9662, 171.0068

■ 29.9172, 34.1996,
11.5029

■ 29.9172, 34.1996,
11.5029

■ 29.2407, 33.6305,
8.8607

■ 30.7464, 34.8349,
14.9336

■ 28.7022, 33.1180,
6.9413

■ 31.7365, 35.5359,
19.2075

■ 28.2886, 32.6579,
5.6715

■ 32.8982, 36.3081,
24.3769

■ 27.9817, 32.2432,
4.9556

■ 34.2405, 37.1551,
30.4891

■ 27.8640, 32.0710,
4.7217

■ 35.7717, 38.0804,
37.5883

■ 37.4998, 39.0870,
45.7158

■ 39.4320, 40.1779,
54.9105

■ 41.5755, 41.3560,
65.2093

■ 43.9369, 42.6238,
76.6473

Harmonies

Analogous

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



36.6886, 34.1996, 11.9846



29.9172, 34.1996, 11.5029



24.6225, 34.1996, 15.9308

Triad

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



29.9172, 34.1996, 11.5029



23.8075, 34.1996, 67.7958



46.3912, 34.1996, 49.9613

Complementary

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



29.9172, 34.1996, 11.5029



12.6677, 9.9829, 37.8182

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.



41.9139, 34.1996, 72.1198



29.9172, 34.1996, 11.5029



28.6535, 34.1996, 84.6177

Square

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



29.9172, 34.1996, 11.5029



21.4344, 34.1996, 45.3883



35.2393, 34.1996, 86.4275



46.8529, 34.1996, 30.1262

Rectangle

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



29.9172, 34.1996, 11.5029



22.3929, 34.1996, 22.3860



35.2393, 34.1996, 86.4275



45.2800, 34.1996, 57.5278

Sweetspot

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



29.9180, 34.2012, 11.5036



60.9108, 66.2877, 52.7124



19.8406, 13.6955, 9.2264



13.5243, 14.7676, 11.3094



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.9180, 34.2012, 11.5036



52.1024, 59.9892, 14.8834



23.7626, 32.6208, 11.5230



8.1049, 8.6898, 8.0394



21.3357, 24.5686, 3.6177



0.5310, 0.6216, 0.0920

Inverse Universe

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



12.6677, 9.9829, 37.8182



18.0635, 12.2248, 66.8829



16.4026, 11.2855, 37.8728



7.1692, 7.3753, 9.4641



5.4409, 2.3419, 28.1408



0.1441, 0.0805, 0.6886

Previews

White Background



This preview shows how the XYZ color 29.9172, 34.1996, 11.5029 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 29.9172, 34.1996, 11.5029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

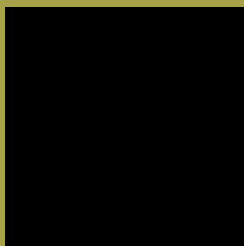
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9172, 34.1996, 11.5029

Background



This preview shows how black text looks on a background with the XYZ color 29.9172, 34.1996, 11.5029.



This preview shows how white text looks on a background with the XYZ color 29.9172, 34.1996,

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

29.9172, 34.1996, 11.5029

Protanopia

31.1087, 34.0487, 11.2358

Deuteranopia

34.7516, 33.9506, 11.7427



Tritanopia

35.5820, 34.0077, 39.3391

Trichromacy



Original Color

29.9172, 34.1996, 11.5029

Protanomaly

30.6140, 34.0480, 11.2617

Deuteranomaly

32.8677, 33.9473, 11.6576

Tritanomaly

33.0517, 33.9656, 26.2867

Monochromacy



Original Color

29.9172, 34.1996, 11.5029

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.6271, 32.5013, 23.7806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9172, 34.1996, 11.5029 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(167, 161, 74)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 74)  
}
```

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(167, 161, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 74) }
```

Border

The CSS property to change the border of an element to XYZ 29.9172, 34.1996, 11.5029 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(167, 161, 74) }
```


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

```
.border{ border-color:rgb(167, 161, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 161, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 161, 74);  
box-shadow:4px 4px 4px 4px rgb(167, 161,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9172, 34.1996, 11.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 74) }
```

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

```
.background{ background-color: rgb(167,  
161, 74) }
```

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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