

Converting Colors

XYZ(29.8173, 36.7830, 15.0028)

Have a look what the booklet for
XYZ(29.8173, 36.7830, 15.0028)
contains.

XYZ(29.8837, 36.8157, 14.9823)	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(29.8837, 36.8157,
14.9823)**

Conversions

Conversions Part 1

Format	Color
Hex	9BAB59
RGB	155, 171, 89
RGB Percent	61%, 67%, 35%
CMY	0.3922, 0.3294, 0.6510
CMYK	0.09, 0.00, 0.48, 0.33
HSL	72°, 33%, 51%
HSV	72°, 48%, 67%
XYZ	29.8837, 36.8157, 14.9823
YIQ	156.8680, 16.7860, -28.8940

Conversions

Conversions Part 2

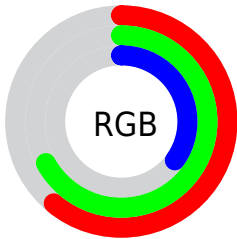
Format	Color
RYB	89, 171, 105
Decimal	10201945
CIELab	67.14, -18.36, 40.09
CIELCh	67, 44.095, 114.611
Yxy	36.8157, 0.3659, 0.4507
Android (android.graphics.Color)	4288392025 (0xFF9BAB59)
YUV	156.8680, -33.4589, -1.6382
Hunter-Lab	60.6759, -18.2693, 27.8331

Details

The XYZ color **29.8837, 36.8157, 14.9823** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16.7501, 13.0892, 40.1739**, and the grayscale version is **32.1297, 33.8029, 36.8114**.

A 20% lighter version of the original color is **58.8680, 70.1647, 35.6398**, and **12.4593, 16.1716, 4.4722** is the 20% darker color. If you saturate the color by 10%, you get **28.6161, 36.2370, 11.6003**, and if you desaturate by 10%, it is **31.3377, 37.4736, 19.2452**.

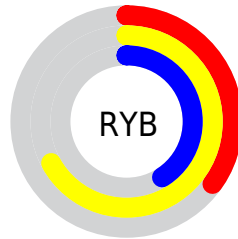
Distribution



Red (61%)

Green (67%)

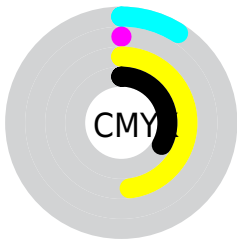
Blue (35%)



Red (35%)

Yellow (67%)

Blue (41%)

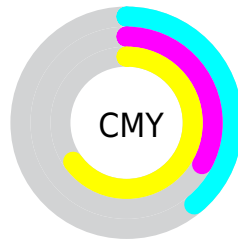


Cyan (9%)

Magenta (0%)

Yellow (48%)

Black (33%)



Cyan (39%)


Magenta (33%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8837, 36.8157, 14.9823 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 29.8837, 36.8157, 14.9823 by changing the saturation by 10% instead.


 29.8837, 36.8157,
14.9823


 29.8837, 36.8157,
14.9823


293.2815,
332.5119, 234.8961


 19.8980, 25.0648,
8.6605


 58.8661, 70.2892,
35.5640


 12.4287, 16.1254,
4.4266


 78.5935, 92.7807,
50.6609

 7.1106, 9.6129,
1.8622


 102.2988,
119.6211, 69.5200

 3.5783, 5.1431,
0.4685

 130.3473,
151.1950, 92.5598

 1.4665, 2.3314,
0.0000

163.1046,
187.8866, 120.1987

 0.3028, 0.7903,
0.0000

200.9358,

 0.0000, 0.0000,

230.0803, 152.8554

0.0000

244.2063,
278.1606, 190.9484

■ 29.8837, 36.8157,
14.9823

■ 29.8837, 36.8157,
14.9823

■ 28.6161, 36.2370,
11.6003

■ 31.3377, 37.4736,
19.2452

■ 27.5202, 35.7277,
9.0352

■ 32.9860, 38.2100,
24.4424

■ 26.5837, 35.2841,
7.2179


■ 34.8394, 39.0306,
30.6259


■ 25.7908, 34.9000,
6.0673


■ 36.9072, 39.9389,
37.8432


■ 25.1160, 34.5651,
5.4485


■ 39.1978, 40.9385,
46.1387

 24.9838, 34.4992,
5.3422

 41.7192, 42.0326,
55.5542

 44.4793, 43.2243,
66.1293

 47.4852, 44.5164,
77.9017

 50.7439, 45.9118,
90.9072

Harmonies

Analogous

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



36.2194, 36.8157, 13.3838



29.8837, 36.8157, 14.9823



25.4826, 36.8157, 22.2521

Triad

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



29.8837, 36.8157, 14.9823



28.0320, 36.8157, 78.4407



49.4921, 36.8157, 43.6616

Complementary

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



29.8837, 36.8157, 14.9823



16.7501, 13.0892, 40.1739

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.



46.6145, 36.8157, 65.5534



29.8837, 36.8157, 14.9823



33.7931, 36.8157, 89.3477

Square

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



29.8837, 36.8157, 14.9823



24.5133, 36.8157, 57.5505



40.6521, 36.8157, 84.0025



48.0987, 36.8157, 26.5691

Rectangle

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



29.8837, 36.8157, 14.9823



23.9572, 36.8157, 31.0486



40.6521, 36.8157, 84.0025



48.9822, 36.8157, 50.7262

Sweetspot

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



29.8846, 36.8174, 14.9831



63.7188, 70.4820, 59.4158



23.5528, 19.2876, 11.9332



14.0402, 15.6432, 12.6647



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.



29.8846, 36.8174, 14.9831



51.0222, 64.7912, 20.2139



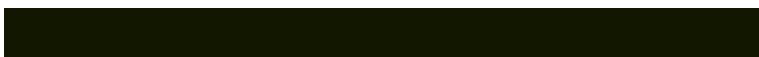
23.4332, 33.4916, 14.6812



8.5072, 9.2501, 8.5504



18.8756, 26.0278, 4.0290



0.5638, 0.7440, 0.1139

Inverse Universe

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



16.7501, 13.0892, 40.1739



24.6053, 16.9976, 70.9859



22.6073, 16.1087, 40.4480



7.7194, 7.8297, 10.0571



6.0584, 2.4831, 29.2045



0.2102, 0.0906, 0.8144

Previews

White Background



This preview shows how the XYZ color 29.8837, 36.8157, 14.9823 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 29.8837, 36.8157, 14.9823 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 29.8837, 36.8157, 14.9823

Background



This preview shows how black text looks on a background with the XYZ color 29.8837, 36.8157, 14.9823.



This preview shows how white text looks on a background with the XYZ color 29.8837, 36.8157,

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

29.8837, 36.8157, 14.9823

Protanopia

33.5993, 36.5696, 14.0919

Deuteranopia

37.4174, 36.7094, 15.4694



Tritanopia

35.9019, 36.5451, 45.2061

Trichromacy



Original Color

29.8837, 36.8157, 14.9823

Protanomaly

32.1511, 36.6185, 14.3904

Deuteranomaly

34.2051, 36.3297, 15.3348

Tritanomaly

33.1110, 36.4705, 31.2810

Monochromacy



Original Color

29.8837, 36.8157, 14.9823

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.7955, 34.5745, 26.8802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8837, 36.8157, 14.9823 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(155, 171, 89)` looks like.

```
.text, #text, p{  
    color:rgb(155, 171, 89)  
}
```

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(155, 171, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 171, 89) }
```

Border

The CSS property to change the border of an element to XYZ 29.8837, 36.8157, 14.9823 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(155, 171, 89) }
```


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

```
.border{ border-color:rgb(155, 171, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 171, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 171, 89); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 171, 89); box-shadow:4px 4px 4px 4px rgb(155, 171, 89) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8837, 36.8157, 14.9823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 171, 89) }
```

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

```
.background{ background-color: rgb(155,  
171, 89) }
```

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