

Converting Colors

XYZ(15.0315, 29.4687, 4.8958)

Have a look what the booklet for
XYZ(15.0315, 29.4687, 4.8958)
contains.

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Color

**XYZ(14.9638, 29.3325,
4.8731)**

Conversions

Conversions Part 1

Format	Color
Hex	19AB00
RGB	25, 171, 0
RGB Percent	10%, 67%, 0%
CMY	0.9020, 0.3294, 0.9999
CMYK	0.85, 0.00, 1.00, 0.33
HSL	111°, 100%, 34%
HSV	111°, 100%, 67%
XYZ	14.9638, 29.3325, 4.8731
YIQ	107.8520, -32.1250, -84.1330

Conversions

Conversions Part 2

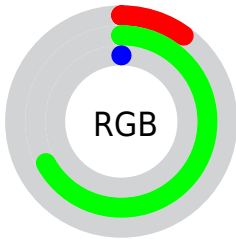
Format	Color
RYB	0, 171, 146
Decimal	1682176
CIELab	61.07, -62.23, 61.88
CIELCh	61, 87.759, 135.163
Yxy	29.3325, 0.3043, 0.5966
Android (android.graphics.Color)	4279872256 (0xFF19AB00)
YUV	107.8520, -53.1710, -72.6612
Hunter-Lab	54.1595, -45.4611, 32.5769

Details

The XYZ color **14.9638, 29.3325, 4.8731** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.2091, 9.0537, 39.2648**, and the grayscale version is **14.3642, 15.1123, 16.4573**.

A 20% lighter version of the original color is **34.4589, 58.8060, 16.0131**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.9640, 29.3335, 4.8732**, and if you desaturate by 10%, it is **15.5252, 29.6110, 5.4324**.

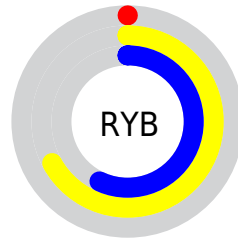
Distribution



Red (10%)

Green (67%)

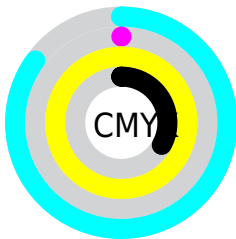
Blue (0%)



Red (0%)

Yellow (67%)

Blue (57%)

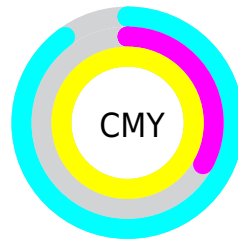


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (90%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9638, 29.3325, 4.8731 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 14.9638, 29.3325, 4.8731 by changing the saturation by 10% instead.


 14.9638, 29.3325,
4.8731


 14.9638, 29.3325,
4.8731


216.5397,
298.7806, 157.4850


 8.8801, 19.3325,
2.1156


 34.3618, 58.6049,
15.9780


 4.7196, 11.9108,
0.6250


 48.4069, 78.6462,
25.1624


 2.1167, 6.6830,
0.0000


 65.8365, 102.8033,
37.3263

 0.6983, 3.2646,
0.0000

 87.0160, 131.4606,
52.8880

 0.0000, 1.2714,
0.0000

 112.3107,
165.0027, 72.2662


 0.0000, 0.1189,
0.0000


 142.0860,


 0.0000, 0.0000,


203.8137, 95.8794


0.0000


 176.7072,
248.2782, 124.1462


 14.9638, 29.3325,
4.8731


 14.9638, 29.3325,
4.8731


 14.9640, 29.3335,
4.8732

 15.5252, 29.6110,
5.4324

 16.3876, 30.0337,
6.4633

 17.6085, 30.6269,
8.1524

 19.2230, 31.4071,
10.5850

 21.2618, 32.3883,
13.8337

■ 23.7526, 33.5836,
17.9623

■ 26.7207, 35.0046,
23.0284

■ 30.1894, 36.6623,
29.0845

■ 34.1805, 38.5669,
36.1796

Harmonies

Analogous

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



22.4905, 29.3325, 1.5225



14.9638, 29.3325, 4.8731



11.5116, 29.3325, 18.3210

Triad

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



14.9638, 29.3325, 4.8731



22.5962, 29.3325, 140.4619



55.1038, 29.3325, 18.0812

Complementary

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



14.9638, 29.3325, 4.8731



19.2091, 9.0537, 39.2648

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.



55.1552, 29.3325, 51.0351



14.9638, 29.3325, 4.8731



34.0675, 29.3325, 140.2112

Square

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



14.9638, 29.3325, 4.8731



15.0227, 29.3325, 101.1019



46.6653, 29.3325, 100.5526



46.5397, 29.3325, 4.8006

Rectangle

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



14.9638, 29.3325, 4.8731



11.1566, 29.3325, 37.9780



46.6653, 29.3325, 100.5526



56.1811, 29.3325, 26.5752

Sweetspot

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



14.9645, 29.3337, 4.8738



47.5436, 62.5407, 40.7062



26.9752, 29.0179, 4.1798



10.0978, 13.7054, 8.2113



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.



14.9645, 29.3337, 4.8738



26.6900, 52.4766, 8.7223



15.3757, 29.4519, 9.1303



8.0094, 8.9934, 8.5271



11.3088, 22.1270, 3.6749



0.3474, 0.6324, 0.1038

Inverse Universe

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



19.2091, 9.0537, 39.2648



34.2596, 16.1407, 70.3117



19.6734, 9.8098, 15.9412



8.2204, 8.0879, 10.0806



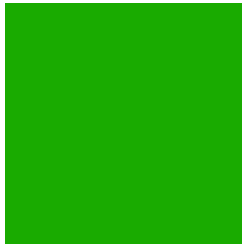
14.5141, 6.8422, 29.6002



0.4345, 0.2062, 0.8249

Previews

White Background



This preview shows how the XYZ color 14.9638, 29.3325, 4.8731 looks on a white background.

Color Contrast Check

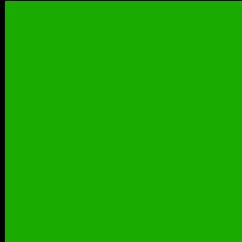
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9638, 29.3325, 4.8731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

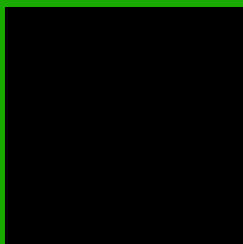
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9638, 29.3325, 4.8731

Background



This preview shows how black text looks on a background with the XYZ color 14.9638, 29.3325, 4.8731.



This preview shows how white text looks on a background with the XYZ color 14.9638, 29.3325,

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

14.9638, 29.3325, 4.8731

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.3337, 28.7892, 5.7611



Tritanopia

22.7462, 29.2707, 43.4807

Trichromacy



Original Color

14.9638, 29.3325, 4.8731



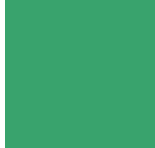
Protanomaly

18.8279, 27.3543, 4.2876



Deuteranomaly

19.8357, 26.6348, 4.9597



Tritanomaly

17.5449, 28.1684, 18.9803

Monochromacy



Original Color

14.9638, 29.3325, 4.8731



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.3324, 18.2820, 8.5090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9638, 29.3325, 4.8731 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(25, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 171, 0)  
}
```

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(25, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.9638, 29.3325, 4.8731 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(25, 171, 0) }
```


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

```
.border{ border-color:rgb(25, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(25, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9638, 29.3325, 4.8731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 171, 0) }
```

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

```
.background{ background-color: rgb(25, 171,  
0) }
```

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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