

Converting Colors

XYZ(14.8109, 29.2116, 4.8578)

Have a look what the booklet for
XYZ(14.8109, 29.2116, 4.8578)
contains.

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Color

**XYZ(14.8315, 29.2643,
4.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	13AB00
RGB	19, 171, 0
RGB Percent	7%, 67%, 0%
CMY	0.9255, 0.3294, 0.9999
CMYK	0.89, 0.00, 1.00, 0.33
HSL	113°, 100%, 34%
HSV	113°, 100%, 67%
XYZ	14.8315, 29.2643, 4.8669
YIQ	106.0580, -35.7010, -85.4050

Conversions

Conversions Part 2

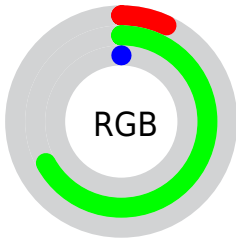
Format	Color
RYB	0, 171, 152
Decimal	1288960
CIELab	61.01, -62.77, 61.80
CIELCh	61, 88.091, 135.445
Yxy	29.2643, 0.3029, 0.5977
Android (android.graphics.Color)	4279479040 (0xFF13AB00)
YUV	106.0580, -52.2866, -76.3499
Hunter-Lab	54.0965, -45.7300, 32.5334

Details

The XYZ color **14.8315, 29.2643, 4.8669** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.3037, 9.6180, 39.3160**, and the grayscale version is **13.8627, 14.5846, 15.8826**.

A 20% lighter version of the original color is **34.2350, 58.6905, 16.0026**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.8318, 29.2653, 4.8671**, and if you desaturate by 10%, it is **15.3320, 29.5114, 5.4233**.

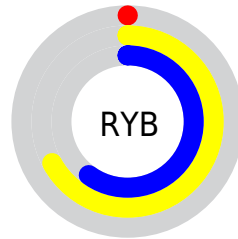
Distribution



Red (7%)

Green (67%)

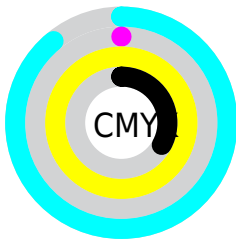
Blue (0%)



Red (0%)

Yellow (67%)

Blue (60%)

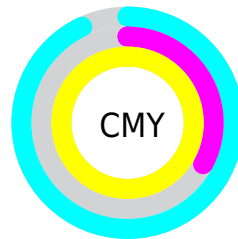


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (93%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8315, 29.2643, 4.8669 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 14.8315, 29.2643, 4.8669 by changing the saturation by 10% instead.


 14.8315, 29.2643,
4.8669


 14.8315, 29.2643,
4.8669


215.7527,
298.4600, 157.4221


 8.7868, 19.2809,
2.1120


 34.1314, 58.4967,
15.9643


 4.6583, 11.8734,
0.6229


 48.1173, 78.5145,
25.1439


 2.0809, 6.6575,
0.0000


 65.4809, 102.6459,
37.3022

 0.6788, 3.2489,
0.0000

 86.5876, 131.2752,
52.8576

 0.0000, 1.2630,
0.0000

 111.8028,
164.7869, 72.2288


 0.0000, 0.1123,
0.0000


 141.4918,


 0.0000, 0.0000,


203.5653, 95.8342


0.0000


 176.0200,
247.9949, 124.0925


 14.8315, 29.2643,
4.8669


 14.8315, 29.2643,
4.8669

 14.8318, 29.2653,
4.8671

 15.3320, 29.5114,
5.4233

 16.1416, 29.9068,
6.4517

 17.3221, 30.4793,
8.1389

 18.9118, 31.2466,
10.5704

 20.9442, 32.2246,
13.8188

■ 23.4493, 33.4272,
17.9480

■ 26.4545, 34.8674,
23.0158

■ 29.9850, 36.5570,
29.0749

■ 34.0644, 38.5071,
36.1740

Harmonies

Analogous

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



22.3247, 29.2643, 1.4933



14.8315, 29.2643, 4.8669



11.4157, 29.2643, 18.4358

Triad

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



14.8315, 29.2643, 4.8669



22.6128, 29.2643, 141.0985



55.0838, 29.2643, 17.7831

Complementary

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



14.8315, 29.2643, 4.8669



20.3037, 9.6180, 39.3160

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.



55.2242, 29.2643, 50.6063



14.8315, 29.2643, 4.8669



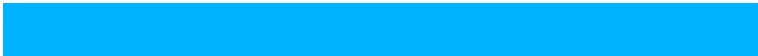
34.1385, 29.2643, 140.4122

Square

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



14.8315, 29.2643, 4.8669



14.9920, 29.2643, 101.7832



46.7657, 29.2643, 100.2802



46.4227, 29.2643, 4.6706

Rectangle

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



14.8315, 29.2643, 4.8669



11.0817, 29.2643, 38.2682



46.7657, 29.2643, 100.2802



56.1947, 29.2643, 26.2171

Sweetspot

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



14.8322, 29.2655, 4.8676



47.0623, 62.2926, 40.6836



27.8708, 30.8092, 4.4783



9.9835, 13.6464, 8.2059



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.



14.8322, 29.2655, 4.8676



26.4733, 52.3649, 8.7122



15.5342, 29.5153, 9.9650



7.9840, 8.9803, 8.5259



11.2042, 22.0730, 3.6700



0.3373, 0.6273, 0.1033

Inverse Universe

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



20.3037, 9.6180, 39.3160



36.2481, 17.1658, 70.4047



19.3689, 9.6880, 14.3376



8.2482, 8.1023, 10.0819



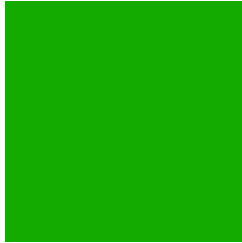
15.3324, 7.2640, 29.6385



0.4509, 0.2146, 0.8257

Previews

White Background



This preview shows how the XYZ color 14.8315, 29.2643, 4.8669 looks on a white background.

Color Contrast Check

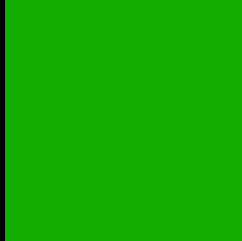
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8315, 29.2643, 4.8669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

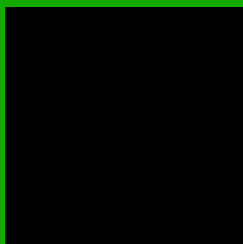
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8315, 29.2643, 4.8669

Background



This preview shows how black text looks on a background with the XYZ color 14.8315, 29.2643, 4.8669.



This preview shows how white text looks on a background with the XYZ color 14.8315, 29.2643,

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

14.8315, 29.2643, 4.8669

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.3337, 28.7892, 5.7611



Tritanopia

22.5922, 29.1913, 43.4735

Trichromacy



Original Color

14.8315, 29.2643, 4.8669



Protanomaly

18.5706, 27.2217, 4.2755



Deuteranomaly

19.5437, 26.4843, 4.9461



Tritanomaly

17.3257, 28.0554, 18.9701

Monochromacy



Original Color

14.8315, 29.2643, 4.8669



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

11.8198, 17.8264, 8.1281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8315, 29.2643, 4.8669 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(19, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.8315, 29.2643, 4.8669 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(19, 171, 0) }
```


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

```
.border{ border-color:rgb(19, 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(19, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8315, 29.2643, 4.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 171, 0) }
```

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

```
.background{ background-color: rgb(19, 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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