

Converting Colors

XYZ(14.9247, 29.7185, 5.3785)

Have a look what the booklet for
XYZ(14.9247, 29.7185, 5.3785)
contains.

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Color

**XYZ(14.8318, 29.5368,
5.3349)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC0E
RGB	0, 172, 14
RGB Percent	0%, 67%, 5%
CMY	1.0000, 0.3255, 0.9450
CMYK	1.00, 0.00, 0.92, 0.33
HSL	125°, 100%, 34%
HSV	125°, 100%, 67%
XYZ	14.8318, 29.5368, 5.3349
YIQ	102.5600, -51.7940, -85.6020

Conversions

Conversions Part 2

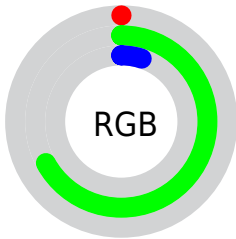
Format	Color
R_{YB}	0, 159, 172
Decimal	44046
CIE _{Lab}	61.25, -63.80, 60.01
CIE _{LCh}	61, 87.586, 136.752
Yxy	29.5368, 0.2984, 0.5943
Android (android.graphics.Color)	4278234126 (0xFF00AC0E)
YUV	102.5600, -43.6601, -89.9451
Hunter-Lab	54.3478, -46.3950, 32.2234

Details

The XYZ color **14.8318, 29.5368, 5.3349** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.1847, 11.2393, 33.2910**, and the grayscale version is **12.8981, 13.5698, 14.7775**.

A 20% lighter version of the original color is **34.1499, 59.0360, 16.9923**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **14.8325, 29.5380, 5.3356**, and if you desaturate by 10%, it is **15.2199, 29.7201, 6.1501**.

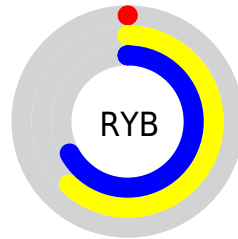
Distribution



Red (0%)

Green (67%)

Blue (5%)



Red (0%)

Yellow (62%)

Blue (67%)

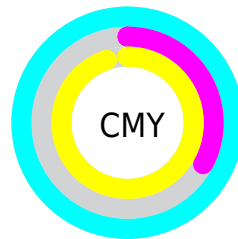


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (33%)



Cyan (100%)


Magenta (33%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8318, 29.5368, 5.3349 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 14.8318, 29.5368, 5.3349 by changing the saturation by 10% instead.


 14.8318, 29.5368,
5.3349


 14.8318, 29.5368,
5.3349


215.7545,
299.7394, 162.0736


 8.7870, 19.4873,
2.3829


 34.1319, 58.9289,
16.9871


 4.6585, 12.0229,
0.7771


 48.1179, 79.0402,
26.5245

 2.0810, 6.7593,
0.0000


 65.4817, 103.2743,
39.0940

 0.6788, 3.3120,
0.0000

 86.5886, 132.0155,
55.1143

 0.0000, 1.2967,
0.0000

 111.8040,
165.6482, 75.0038

 0.0000, 0.1387,
0.0000

 141.4932,

 0.0000, 0.0000,

204.5568, 99.1812

0.0000

176.0216,
249.1257, 128.0649

■ 14.8318, 29.5368,
5.3349

■ 14.8318, 29.5368,
5.3349

■ 14.8325, 29.5380,
5.3356

■ 15.2199, 29.7201,
6.1501

■ 15.9116, 30.0474,
7.5058

■ 17.0023, 30.5672,
9.4769

■ 18.5403, 31.3030,
12.1248

■ 20.5672, 32.2753,
15.5035

■ 23.1198, 33.5018,
19.6615

■ 26.2313, 34.9988,
24.6432

■ 29.9323, 36.7812,
30.4897

■ 34.2510, 38.8626,
37.2392

Harmonies

Analogous

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



22.1605, 29.5368, 1.6334



14.8318, 29.5368, 5.3349



11.5602, 29.5368, 19.7025

Triad

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



14.8318, 29.5368, 5.3349



23.2971, 29.5368, 141.8791



55.0780, 29.5368, 17.1207

Complementary

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



14.8318, 29.5368, 5.3349



23.1847, 11.2393, 33.2910

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.



55.6293, 29.5368, 49.0004



14.8318, 29.5368, 5.3349



34.9554, 29.5368, 139.1949

Square

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



14.8318, 29.5368, 5.3349



15.4667, 29.5368, 104.0424



47.4990, 29.5368, 98.1555



46.1517, 29.5368, 4.5487

Rectangle

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



14.8318, 29.5368, 5.3349



11.3206, 29.5368, 40.2118



47.4990, 29.5368, 98.1555



56.3198, 29.5368, 25.2628

Sweetspot

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



14.8325, 29.5380, 5.3356



47.2554, 63.3315, 44.1796



29.3578, 37.0353, 5.6012



9.7478, 13.5122, 8.7687



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.



14.8325, 29.5380, 5.3356



26.8748, 53.5712, 9.5082



16.9327, 30.3781, 16.3953



7.9300, 8.9496, 8.6564



11.0462, 21.9838, 4.0172



0.3156, 0.6149, 0.1557

Inverse Universe

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



23.1847, 11.2393, 33.2910



42.0196, 20.3733, 60.1861



18.2681, 9.2727, 7.4004



8.3085, 8.1367, 9.9354



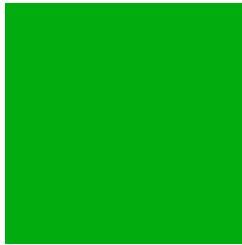
17.2621, 8.3674, 24.8235



0.4883, 0.2360, 0.7332

Previews

White Background



This preview shows how the XYZ color 14.8318, 29.5368, 5.3349 looks on a white background.

Color Contrast Check

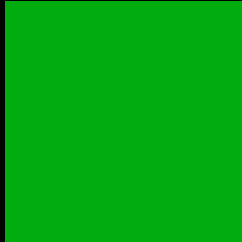
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8318, 29.5368, 5.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

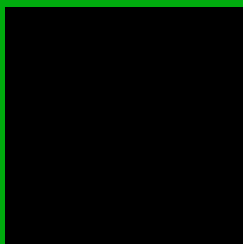
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8318, 29.5368, 5.3349

Background



This preview shows how black text looks on a background with the XYZ color 14.8318, 29.5368, 5.3349.



This preview shows how white text looks on a background with the XYZ color 14.8318, 29.5368,

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

14.8318, 29.5368, 5.3349

Protanopia

26.1596, 28.9744, 4.2139

Deuteranopia

29.6064, 28.9260, 5.9423



Tritanopia

22.7861, 29.5365, 44.0353

Trichromacy



Original Color

14.8318, 29.5368, 5.3349



Protanomaly

17.8597, 26.8521, 4.3852



Deuteranomaly

18.7722, 26.0785, 5.2726



Tritanomaly

17.4967, 28.3696, 20.7734

Monochromacy



Original Color

14.8318, 29.5368, 5.3349



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.1033, 17.0515, 8.6673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8318, 29.5368, 5.3349 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(0, 172, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 14)  
}
```

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(0, 172, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 14) }
```

Border

The CSS property to change the border of an element to XYZ 14.8318, 29.5368, 5.3349 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(0, 172, 14) }
```


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

```
.border{ border-color:rgb(0, 172, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 172, 14)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8318, 29.5368, 5.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 14) }
```

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

```
.background{ background-color: rgb(0, 172,  
14) }
```

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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