

Converting Colors

XYZ(14.5362, 29.0092, 5.0402)

Have a look what the booklet for
XYZ(14.5362, 29.0092, 5.0402)
contains.

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Color

**XYZ(14.6013, 29.1412,
5.0563)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB07
RGB	0, 171, 7
RGB Percent	0%, 67%, 3%
CMY	1.0000, 0.3294, 0.9725
CMYK	1.00, 0.00, 0.96, 0.33
HSL	122°, 100%, 34%
HSV	122°, 100%, 67%
XYZ	14.6013, 29.1412, 5.0563
YIQ	101.1750, -49.2720, -87.2560

Conversions

Conversions Part 2

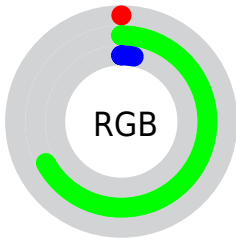
Format	Color
RYB	0, 164, 171
Decimal	43783
CIELab	60.91, -63.71, 60.71
CIELCh	61, 88.000, 136.380
Yxy	29.1412, 0.2992, 0.5972
Android (android.graphics.Color)	4278233863 (0xFF00AB07)
YUV	101.1750, -46.4283, -88.7305
Hunter-Lab	53.9826, -46.1886, 32.2344

Details

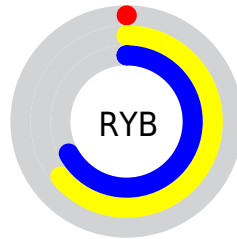
The XYZ color **14.6013, 29.1412, 5.0563** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.4950, 11.3382, 36.0662**, and the grayscale version is **12.5416, 13.1947, 14.3691**.

A 20% lighter version of the original color is **33.7672, 58.4415, 16.3381**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.6019, 29.1424, 5.0569**, and if you desaturate by 10%, it is **14.9554, 29.3107, 5.7019**.

Distribution



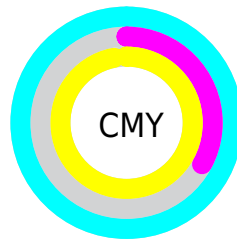
- Red (0%)
- Green (67%)
- Blue (3%)



- Red (0%)
- Yellow (64%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6013, 29.1412, 5.0563 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 14.6013, 29.1412, 5.0563 by changing the saturation by 10% instead.


 14.6013, 29.1412,
5.0563


 14.6013, 29.1412,
5.0563


214.3767,
297.8806, 159.3281


 8.6245, 19.1877,
2.2210


 33.7296, 58.3014,
16.3807


 4.5522, 11.8060,
0.6865


 47.6119, 78.2768,
25.7069


 2.0191, 6.6117,
0.0000


 64.8601, 102.3616,
38.0338

 0.6446, 3.2205,
0.0000

 85.8395, 130.9402,
53.7800

 0.0000, 1.2479,
0.0000

 110.9155,
164.3970, 73.3640


 0.0000, 0.1003,
0.0000


 140.4535,


 0.0000, 0.0000,


203.1164, 97.2043


0.0000


 174.8188,
247.4828, 125.7195


 14.6013, 29.1412,
5.0563


 14.6013, 29.1412,
5.0563


 14.6019, 29.1424,
5.0569

 14.9554, 29.3107,
5.7019

 15.6097, 29.6225,
6.8860

 16.6631, 30.1263,
8.7056

 18.1654, 30.8464,
11.2327

 20.1593, 31.8034,
14.5298

■ 22.6826, 33.0156,
18.6524

■ 25.7692, 34.4993,
23.6511

■ 29.4504, 36.2698,
29.5721

■ 33.7551, 38.3410,
36.4586

Harmonies

Analogous

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



21.9313, 29.1412, 1.5211



14.6013, 29.1412, 5.0563



11.3150, 29.1412, 19.0571

Triad

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



14.6013, 29.1412, 5.0563



22.8213, 29.1412, 141.2432



54.7088, 29.1412, 17.0408

Complementary

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



14.6013, 29.1412, 5.0563



23.4950, 11.3382, 36.0662

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.



55.1428, 29.1412, 49.0524



14.6013, 29.1412, 5.0563



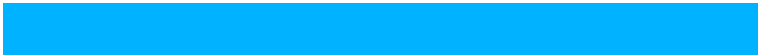
34.3957, 29.1412, 139.1231

Square

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



14.6013, 29.1412, 5.0563



15.0970, 29.1412, 102.9547



46.9321, 29.1412, 98.3113



45.8726, 29.1412, 4.4500

Rectangle

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



14.6013, 29.1412, 5.0563



11.0508, 29.1412, 39.2800



46.9321, 29.1412, 98.3113



55.9119, 29.1412, 25.2150

Sweetspot

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



14.6020, 29.1424, 5.0570



45.8295, 61.6302, 41.8397



30.1437, 37.1589, 5.5837



9.6925, 13.4901, 8.4775



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.



14.6020, 29.1424, 5.0570



26.1313, 52.1829, 8.9564



16.4606, 29.8859, 14.8444



7.9173, 8.9445, 8.5896



11.0121, 21.9701, 3.8375



0.3106, 0.6129, 0.1290

Inverse Universe

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



23.4950, 11.3382, 36.0662



42.0565, 20.2972, 64.4844



18.2360, 9.2346, 8.3725



8.3227, 8.1423, 10.0100



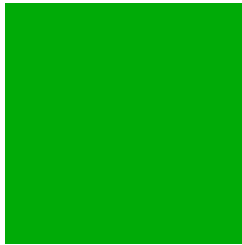
17.7159, 8.5489, 27.2132



0.4971, 0.2395, 0.7795

Previews

White Background



This preview shows how the XYZ color 14.6013, 29.1412, 5.0563 looks on a white background.

Color Contrast Check

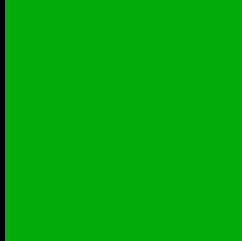
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6013, 29.1412, 5.0563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

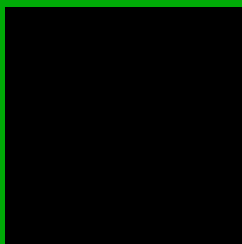
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6013, 29.1412, 5.0563

Background



This preview shows how black text looks on a background with the XYZ color 14.6013, 29.1412, 5.0563.



This preview shows how white text looks on a background with the XYZ color 14.6013, 29.1412,

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

14.6013, 29.1412, 5.0563

Protanopia

25.7959, 28.5571, 4.1525

Deuteranopia

29.3496, 28.7955, 5.8449



Tritanopia

22.5170, 29.1525, 43.4700

Trichromacy



Original Color

14.6013, 29.1412, 5.0563



Protanomaly

17.5635, 26.4525, 4.2663



Deuteranomaly

18.6006, 25.9943, 5.0740



Tritanomaly

17.1485, 27.9451, 19.8194

Monochromacy



Original Color

14.6013, 29.1412, 5.0563



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

10.5883, 16.4169, 7.9209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6013, 29.1412, 5.0563 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, 171, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 7)  
}
```

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, 171, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 7) }
```

Border

The CSS property to change the border of an element to XYZ 14.6013, 29.1412, 5.0563 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, 171, 7) }
```


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

```
.border{ border-color:rgb(0, 171, 7) }
```

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

Here you see how a box with a 4 pixel rgb(0, 171, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 171, 7); box-shadow:4px  
4px 4px 4px rgb(0, 171, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6013, 29.1412, 5.0563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 7) }
```

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

```
.background{ background-color: rgb(0, 171,  
7) }
```

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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