

# Converting Colors

XYZ(11.2467, 27.3763, 2.0767)

Have a look what the booklet for  
XYZ(11.2467, 27.3763, 2.0767)  
contains.

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# Color

**XYZ(14.5629, 29.1258,  
4.8543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AB00
RGB	0, 171, 0
RGB Percent	0%, 67%, 0%
CMY	1.0000, 0.3294, 0.9999
CMYK	1.00, 0.00, 1.00, 0.33
HSL	120°, 100%, 34%
HSV	120°, 100%, 67%
XYZ	14.5629, 29.1258, 4.8543
YIQ	100.3770, -47.0250, -89.4330

# Conversions

## Conversions Part 2

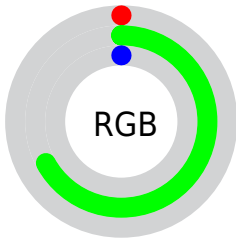
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 171, 171
Decimal	43776
CIELab	60.89, -63.88, 61.66
CIELCh	61, 88.783, 136.016
Yxy	29.1258, 0.3000, 0.6000
Android (android.graphics.Color)	4278233856 (0xFF00AB00)
YUV	100.3770, -49.4859, -88.0306
Hunter-Lab	53.9683, -46.2778, 32.4449

# Details

The XYZ color **14.5629, 29.1258, 4.8543** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.1447, 11.5981, 39.4877**, and the grayscale version is **12.3420, 12.9848, 14.1404**.

A 20% lighter version of the original color is **33.6987, 58.4141, 15.9775**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.5636, 29.1270, 4.8550**, and if you desaturate by 10%, it is **14.8985, 29.2879, 5.4029**.

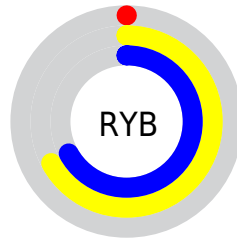
# Distribution



Red (0%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (67%)

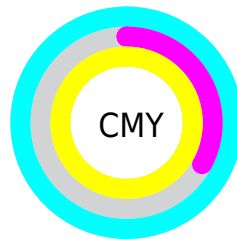


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (100%)

Magenta (33%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5629, 29.1258, 4.8543 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 14.5629, 29.1258, 4.8543 by changing the saturation by 10% instead.





 14.5629, 29.1258,  
4.8543


 14.5629, 29.1258,  
4.8543


214.1463,  
297.8081, 157.2941


 8.5975, 19.1760,  
2.1048


 33.6625, 58.2769,  
15.9365


 4.5346, 11.7975,  
0.6186


 47.5275, 78.2470,  
25.1062


 2.0088, 6.6060,  
0.0000


 64.7563, 102.3260,  
37.2532

 0.6389, 3.2169,  
0.0000

 85.7144, 130.8982,  
52.7958

 0.0000, 1.2460,  
0.0000

 110.7671,  
164.3482, 72.1527


 0.0000, 0.0988,  
0.0000


 140.2797,


 0.0000, 0.0000,


203.0602, 95.7423


0.0000


 174.6177,  
247.4187, 123.9833


 14.5629, 29.1258,  
4.8543


 14.5629, 29.1258,  
4.8543


 14.5636, 29.1270,  
4.8550

 14.8985, 29.2879,  
5.4029

 15.5216, 29.5872,  
6.4224

 16.5484, 30.0804,  
8.1021

 18.0314, 30.7928,  
10.5281

 20.0155, 31.7458,  
13.7735

■ 22.5400, 32.9585,  
17.9027

■ 25.6404, 34.4477,  
22.9739

■ 29.3491, 36.2292,  
29.0400

■ 33.6962, 38.3174,  
36.1501

# Harmonies

## Analogous

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



21.9876, 29.1258, 1.4345



14.5629, 29.1258, 4.8543



11.2208, 29.1258, 18.6738

# Triad

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



14.5629, 29.1258, 4.8543



22.6477, 29.1258, 142.4179



55.0449, 29.1258, 17.1821

# Complementary

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



14.5629, 29.1258, 4.8543



24.1447, 11.5981, 39.4877

# 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.



55.3684, 29.1258, 49.7356



14.5629, 29.1258, 4.8543



34.2861, 29.1258, 140.8321

# Square

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



14.5629, 29.1258, 4.8543



14.9295, 29.1258, 103.1959



46.9742, 29.1258, 99.7273



46.1851, 29.1258, 4.4113



# Rectangle

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



14.5629, 29.1258, 4.8543



10.9293, 29.1258, 38.8702



46.9742, 29.1258, 99.7273



56.2250, 29.1258, 25.4932

# Sweetspot

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



14.5636, 29.1270, 4.8550



45.5974, 61.5374, 40.6178



31.3587, 37.7852, 5.6405



9.6380, 13.4683, 8.1904



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.



14.5636, 29.1270, 4.8550



26.0816, 52.1629, 8.6944



16.2232, 29.7909, 13.5943



7.9046, 8.9394, 8.5224



10.9784, 21.9566, 3.6598



0.3054, 0.6108, 0.1019



# Inverse Universe

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



24.1447, 11.5981, 39.4877



43.2402, 20.7707, 70.7174



18.4549, 9.3221, 9.5258



8.3371, 8.1481, 10.0858



18.2009, 8.7429, 29.7668

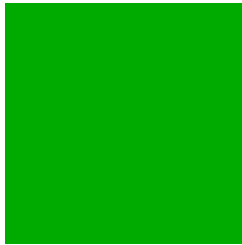


0.5063, 0.2432, 0.8281



# Previews

## White Background



This preview shows how the XYZ color 14.5629, 29.1258, 4.8543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

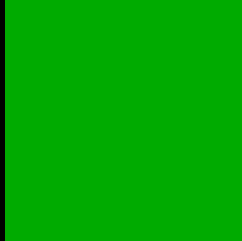
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 14.5629, 29.1258, 4.8543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

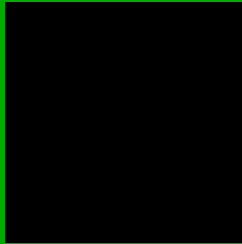
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 14.5629, 29.1258, 4.8543**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.5629, 29.1258, 4.8543.



This preview shows how white text looks on a background with the XYZ color 14.5629, 29.1258,



# 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

14.5629, 29.1258, 4.8543

### Protanopia

25.7959, 28.5571, 4.1525

### Deuteranopia

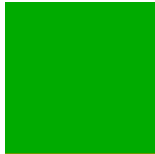
29.3337, 28.7892, 5.7611



## Tritanopia

22.5170, 29.1525, 43.4700

# Trichromacy



## Original Color

14.5629, 29.1258, 4.8543



## Protanomaly

17.5470, 26.4459, 4.1798



## Deuteranomaly

18.5676, 25.9811, 4.9004



## Tritanomaly

16.9842, 27.8794, 18.9541

# Monochromacy



## Original Color

14.5629, 29.1258, 4.8543



## Achromatopsia

12.1130, 12.7438, 13.8780



## Achromatomaly

10.5006, 16.3819, 7.4591

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.5629, 29.1258, 4.8543 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, 0)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 14.5629, 29.1258, 4.8543 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, 0) }
```



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

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

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

# Background

The CSS property to change the background color of an element to XYZ 14.5629, 29.1258, 4.8543 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, 0) }
```

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

```
.background{ background-color: rgb(0, 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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