

Converting Colors

XYZ(12.4564, 28.2559, 2.4537)

Have a look what the booklet for
XYZ(12.4564, 28.2559, 2.4537)
contains.

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Color

**XYZ(14.7525, 29.5050,
4.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC00
RGB	0, 172, 0
RGB Percent	0%, 67%, 0%
CMY	1.0000, 0.3255, 0.9999
CMYK	1.00, 0.00, 1.00, 0.33
HSL	120°, 100%, 34%
HSV	120°, 100%, 67%
XYZ	14.7525, 29.5050, 4.9175
YIQ	100.9640, -47.3000, -89.9560

Conversions

Conversions Part 2

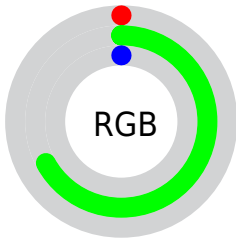
Format	Color
RYB	0, 172, 172
Decimal	44032
CIELab	61.22, -64.16, 61.92
CIELCh	61, 89.166, 136.016
Yxy	29.5050, 0.3000, 0.6000
Android (android.graphics.Color)	4278234112 (0xFF00AC00)
YUV	100.9640, -49.7753, -88.5454
Hunter-Lab	54.3185, -46.5781, 32.6554

Details

The XYZ color **14.7525, 29.5050, 4.9175** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.4590, 11.7490, 40.0017**, and the grayscale version is **12.4946, 13.1453, 14.3153**.

A 20% lighter version of the original color is **34.0792, 59.0198, 16.0744**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **14.7532, 29.5062, 4.9182**, and if you desaturate by 10%, it is **15.0907, 29.6684, 5.4704**.

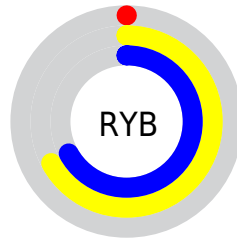
Distribution



Red (0%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (67%)

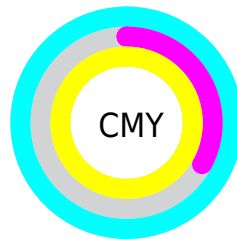


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (100%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7525, 29.5050, 4.9175 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 14.7525, 29.5050, 4.9175 by changing the saturation by 10% instead.

■ 14.7525, 29.5050,
4.9175

■ 14.7525, 29.5050,
4.9175

215.2815,
299.5903, 157.9346

■ 8.7311, 19.4632,
2.1410

■ 33.9936, 58.8785,
16.0759

■ 4.6219, 12.0054,
0.6400

■ 47.9440, 78.9789,
25.2949

■ 2.0596, 6.7474,
0.0000

■ 65.2681, 103.2010,
37.4985

■ 0.6671, 3.3046,
0.0000

■ 86.3313, 131.9292,
53.1053

■ 0.0000, 1.2928,
0.0000

■ 111.4988,
165.5478, 72.5337


■ 0.0000, 0.1356,
0.0000


■ 141.1361,


■ 0.0000, 0.0000,


204.4413, 96.2024


0.0000


 175.6086,
248.9940, 124.5298


 14.7525, 29.5050,
4.9175


 14.7525, 29.5050,
4.9175


 14.7532, 29.5062,
4.9182

 15.0907, 29.6684,
5.4704

 15.7208, 29.9710,
6.5013

 16.7599, 30.4702,
8.2012

 18.2616, 31.1915,
10.6576

 20.2711, 32.1567,
13.9446

■ 22.8284, 33.3852,
18.1276

■ 25.9696, 34.8940,
23.2655

■ 29.7276, 36.6992,
29.4122

■ 34.1328, 38.8152,
36.6174

Harmonies

Analogous

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



22.2739, 29.5050, 1.4532



14.7525, 29.5050, 4.9175



11.3669, 29.5050, 18.9169

Triad

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



14.7525, 29.5050, 4.9175



22.9425, 29.5050, 144.2721



55.7616, 29.5050, 17.4059

Complementary

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



14.7525, 29.5050, 4.9175



24.4590, 11.7490, 40.0017

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.



56.0893, 29.5050, 50.3831



14.7525, 29.5050, 4.9175



34.7325, 29.5050, 142.6656

Square

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



14.7525, 29.5050, 4.9175



15.1238, 29.5050, 104.5395



47.5858, 29.5050, 101.0256



46.7864, 29.5050, 4.4688

Rectangle

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



14.7525, 29.5050, 4.9175



11.0716, 29.5050, 39.3763



47.5858, 29.5050, 101.0256



56.9570, 29.5050, 25.8251

Sweetspot

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



14.7532, 29.5062, 4.9182



46.7767, 63.1400, 41.6588



31.7670, 38.2772, 5.7139



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.



14.7532, 29.5062, 4.9182



26.7634, 53.5266, 8.9217



16.4329, 30.1781, 13.7633



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.



24.4590, 11.7490, 40.0017



44.3706, 21.3137, 72.5661



18.6937, 9.4429, 9.6418



8.3371, 8.1481, 10.0858



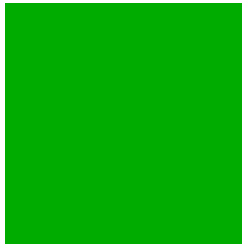
18.2008, 8.7429, 29.7668



0.5063, 0.2432, 0.8281

Previews

White Background



This preview shows how the XYZ color 14.7525, 29.5050, 4.9175 looks on a white background.

Color Contrast Check

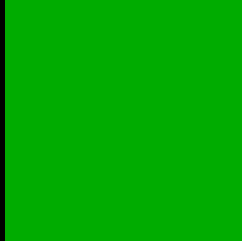
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7525, 29.5050, 4.9175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

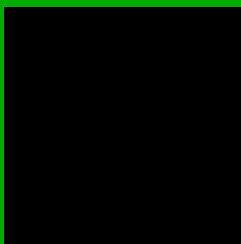
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

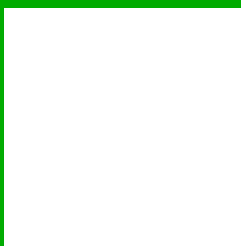
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7525, 29.5050, 4.9175

Background



This preview shows how black text looks on a background with the XYZ color 14.7525, 29.5050, 4.9175.



This preview shows how white text looks on a background with the XYZ color 14.7525, 29.5050,

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

14.7525, 29.5050, 4.9175

Protanopia

26.1596, 28.9744, 4.2139

Deuteranopia

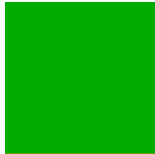
29.5741, 28.9131, 5.7723



Tritanopia

22.7861, 29.5365, 44.0353

Trichromacy



Original Color

14.7525, 29.5050, 4.9175



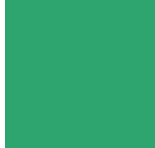
Protanomaly

17.8323, 26.8411, 4.2410



Deuteranomaly

18.7027, 26.0507, 4.9067



Tritanomaly

17.2166, 28.2576, 19.2987

Monochromacy



Original Color

14.7525, 29.5050, 4.9175



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

10.6291, 16.6389, 7.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7525, 29.5050, 4.9175 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 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, 172, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 14.7525, 29.5050, 4.9175 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, 0) }
```


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

```
.border{ border-color:rgb(0, 172, 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, 172, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 14.7525, 29.5050, 4.9175 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, 0) }
```

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

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