

Converting Colors

XYZ(14.7350, 29.1725, 4.8542)

Have a look what the booklet for
XYZ(14.7350, 29.1725, 4.8542)
contains.

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Color

**XYZ(14.7599, 29.2274,
4.8635)**

Conversions

Conversions Part 1

Format	Color
Hex	0FAB00
RGB	15, 171, 0
RGB Percent	6%, 67%, 0%
CMY	0.9412, 0.3294, 0.9999
CMYK	0.91, 0.00, 1.00, 0.33
HSL	115°, 100%, 34%
HSV	115°, 100%, 67%
XYZ	14.7599, 29.2274, 4.8635
YIQ	104.8620, -38.0850, -86.2530

Conversions

Conversions Part 2

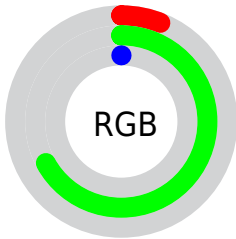
Format	Color
RYB	0, 171, 156
Decimal	1026816
CIELab	60.98, -63.07, 61.77
CIELCh	61, 88.274, 135.597
Yxy	29.2274, 0.3021, 0.5983
Android (android.graphics.Color)	4279216896 (0xFF0FAB00)
YUV	104.8620, -51.6970, -78.8090
Hunter-Lab	54.0624, -45.8758, 32.5099

Details

The XYZ color **14.7599, 29.2274, 4.8635** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.0653, 10.0106, 39.3517**, and the grayscale version is **13.5337, 14.2386, 15.5058**.

A 20% lighter version of the original color is **34.1250, 58.6339, 15.9975**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.7603, 29.2285, 4.8637**, and if you desaturate by 10%, it is **15.2187, 29.4530, 5.4180**.

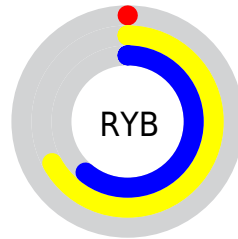
Distribution



Red (6%)

Green (67%)

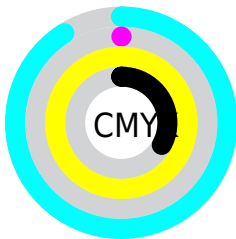
Blue (0%)



Red (0%)

Yellow (67%)

Blue (61%)

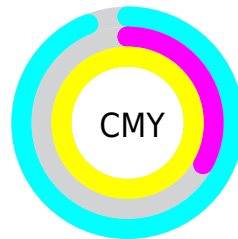


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (94%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7599, 29.2274, 4.8635 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 14.7599, 29.2274, 4.8635 by changing the saturation by 10% instead.


 14.7599, 29.2274,
4.8635


 14.7599, 29.2274,
4.8635


215.3256,
298.2864, 157.3876


 8.7363, 19.2529,
2.1101


 34.0065, 58.4382,
15.9568


 4.6253, 11.8532,
0.6217


 47.9603, 78.4433,
25.1338


 2.0616, 6.6438,
0.0000


 65.2881, 102.5607,
37.2889

 0.6682, 3.2403,
0.0000

 86.3553, 131.1748,
52.8409

 0.0000, 1.2585,
0.0000

 111.5273,
164.6701, 72.2083


 0.0000, 0.1087,
0.0000


 141.1695,


 0.0000, 0.0000,


203.4308, 95.8094


0.0000


 175.6471,
247.8414, 124.0630


 14.7599, 29.2274,
4.8635


 14.7599, 29.2274,
4.8635


 14.7603, 29.2285,
4.8637

 15.2187, 29.4530,
5.4180

 15.9912, 29.8293,
6.4445

 17.1424, 30.3867,
8.1303

 18.7131, 31.1442,
10.5608

 20.7388, 32.1187,
13.8088

■ 23.2513, 33.3251,
17.9383

■ 26.2793, 34.7771,
23.0071

■ 29.8496, 36.4872,
29.0679

■ 33.9868, 38.4671,
36.1696

Harmonies

Analogous

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



22.2349, 29.2274, 1.4775



14.7599, 29.2274, 4.8635



11.3637, 29.2274, 18.4985

Triad

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



14.7599, 29.2274, 4.8635



22.6219, 29.2274, 141.4470



55.0733, 29.2274, 17.6224

Complementary

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



14.7599, 29.2274, 4.8635



21.0653, 10.0106, 39.3517

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.



55.2622, 29.2274, 50.3744



14.7599, 29.2274, 4.8635



34.1774, 29.2274, 140.5231

Square

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



14.7599, 29.2274, 4.8635



14.9753, 29.2274, 102.1560



46.8207, 29.2274, 100.1332



46.3594, 29.2274, 4.6009

Rectangle

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



14.7599, 29.2274, 4.8635



11.0411, 29.2274, 38.4269



46.8207, 29.2274, 100.1332



56.2025, 29.2274, 26.0238

Sweetspot

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



14.7606, 29.2286, 4.8642



46.7462, 62.1297, 40.6688



28.3352, 31.7380, 4.6330



9.9086, 13.6078, 8.2024



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.



14.7606, 29.2286, 4.8642



26.3587, 52.3058, 8.7068



15.6197, 29.5495, 10.4151



7.9672, 8.9717, 8.5252



11.1470, 22.0436, 3.6673



0.3306, 0.6238, 0.1030

Inverse Universe

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



21.0653, 10.0106, 39.3517



37.6329, 17.8797, 70.4695



19.2240, 9.6300, 13.5746



8.2668, 8.1119, 10.0827



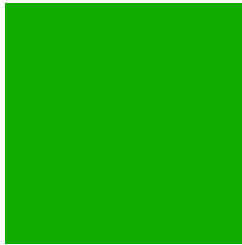
15.9016, 7.5574, 29.6651



0.4621, 0.2204, 0.8262

Previews

White Background



This preview shows how the XYZ color 14.7599, 29.2274, 4.8635 looks on a white background.

Color Contrast Check

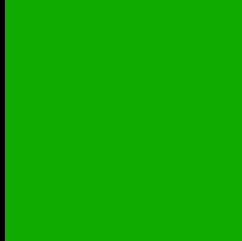
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7599, 29.2274, 4.8635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

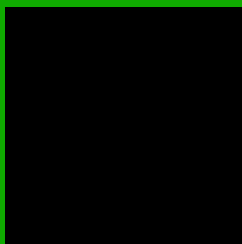
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7599, 29.2274, 4.8635

Background



This preview shows how black text looks on a background with the XYZ color 14.7599, 29.2274, 4.8635.



This preview shows how white text looks on a background with the XYZ color 14.7599, 29.2274,

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

14.7599, 29.2274, 4.8635

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.3337, 28.7892, 5.7611



Tritanopia

22.5922, 29.1913, 43.4735

Trichromacy



Original Color

14.7599, 29.2274, 4.8635



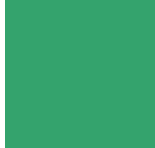
Protanomaly

18.3189, 27.0919, 4.2638



Deuteranomaly

19.3999, 26.4101, 4.9393



Tritanomaly

17.2737, 28.0286, 18.9676

Monochromacy



Original Color

14.7599, 29.2274, 4.8635



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.5359, 17.4835, 8.0768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7599, 29.2274, 4.8635 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(15, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.7599, 29.2274, 4.8635 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(15, 171, 0) }
```


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

```
.border{ border-color:rgb(15, 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(15, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.7599, 29.2274, 4.8635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 171, 0) }
```

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

```
.background{ background-color: rgb(15, 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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