

Converting Colors

XYZ(15.2585, 29.8889, 4.9654)

Have a look what the booklet for
XYZ(15.2585, 29.8889, 4.9654)
contains.

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Color

**XYZ(15.1785, 29.7247,
4.9374)**

Conversions

Conversions Part 1

Format	Color
Hex	1AAC00
RGB	26, 172, 0
RGB Percent	10%, 67%, 0%
CMY	0.8980, 0.3255, 0.9999
CMYK	0.85, 0.00, 1.00, 0.33
HSL	111°, 100%, 34%
HSV	111°, 100%, 67%
XYZ	15.1785, 29.7247, 4.9374
YIQ	108.7380, -31.8040, -84.4440

Conversions

Conversions Part 2

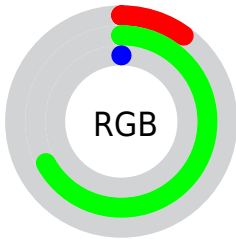
Format	Color
RYB	0, 172, 146
Decimal	1747968
CIELab	61.42, -62.42, 62.16
CIELCh	61, 88.089, 135.122
Yxy	29.7247, 0.3045, 0.5964
Android (android.graphics.Color)	4279938048 (0xFF1AAC00)
YUV	108.7380, -53.6078, -72.5612
Hunter-Lab	54.5204, -45.7161, 32.7949

Details

The XYZ color **15.1785, 29.7247, 4.9374** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.3045, 9.0918, 39.7688**, and the grayscale version is **14.6160, 15.3772, 16.7457**.

A 20% lighter version of the original color is **34.8489, 59.4166, 16.1104**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **15.1788, 29.7257, 4.9376**, and if you desaturate by 10%, it is **15.7546, 30.0107, 5.5015**.

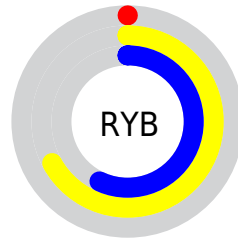
Distribution



Red (10%)

Green (67%)

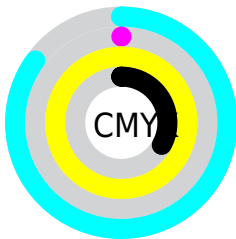
Blue (0%)



Red (0%)

Yellow (67%)

Blue (57%)

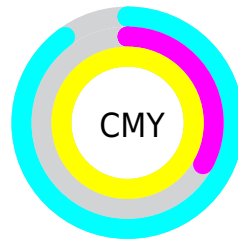


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (90%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1785, 29.7247, 4.9374 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 15.1785, 29.7247, 4.9374 by changing the saturation by 10% instead.


 15.1785, 29.7247,
4.9374


 15.1785, 29.7247,
4.9374


217.8111,
300.6191, 158.1355


 9.0319, 19.6297,
2.1525


 34.7351, 59.2265,
16.1197


 4.8193, 12.1262,
0.6467


 48.8758, 79.4022,
25.3542


 2.1753, 6.8297,
0.0000


 66.4119, 103.7068,
37.5756

 0.7297, 3.3558,
0.0000

 87.7088, 132.5249,
53.2024

 0.0000, 1.3202,
0.0000

 113.1318,
166.2408, 72.6533


 0.0000, 0.1568,
0.0000


 143.0463,


 0.0000, 0.0000,


205.2388, 96.3468


0.0000


 177.8176,
249.9035, 124.7013


 15.1785, 29.7247,
4.9374


 15.1785, 29.7247,
4.9374


 15.1788, 29.7257,
4.9376

 15.7546, 30.0107,
5.5015

 16.6345, 30.4422,
6.5441

 17.8760, 31.0456,
8.2538

 19.5141, 31.8373,
10.7170

 21.5798, 32.8315,
14.0072

■ 24.1008, 34.0412,
18.1893

■ 27.1024, 35.4780,
23.3217

■ 30.6081, 37.1531,
29.4577

■ 34.6397, 39.0765,
36.6468

Harmonies

Analogous

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



22.8083, 29.7247, 1.5467



15.1785, 29.7247, 4.9374



11.6759, 29.7247, 18.5423

Triad

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



15.1785, 29.7247, 4.9374



22.8879, 29.7247, 142.1967



55.8246, 29.7247, 18.3616

Complementary

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



15.1785, 29.7247, 4.9374



19.3045, 9.0918, 39.7688

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.



55.8633, 29.7247, 51.7644



15.1785, 29.7247, 4.9374



34.5005, 29.7247, 142.0079

Square

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



15.1785, 29.7247, 4.9374



15.2229, 29.7247, 102.3172



47.2580, 29.7247, 101.9035



47.1635, 29.7247, 4.8827

Rectangle

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



15.1785, 29.7247, 4.9374



11.3130, 29.7247, 38.4291



47.2580, 29.7247, 101.9035



56.9109, 29.7247, 26.9752

Sweetspot

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



15.1792, 29.7259, 4.9381



48.8452, 64.2064, 41.7528



26.8874, 28.5178, 4.0878



10.1142, 13.7138, 8.2121



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.



15.1792, 29.7259, 4.9381



27.4197, 53.8650, 8.9518



15.5005, 29.8053, 8.8521



8.0130, 8.9953, 8.5273



11.3255, 22.1356, 3.6757



0.3488, 0.6332, 0.1038

Inverse Universe

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



19.3045, 9.0918, 39.7688



34.8688, 16.4150, 72.1364



20.0899, 10.0017, 16.9930



8.2164, 8.0859, 10.0804



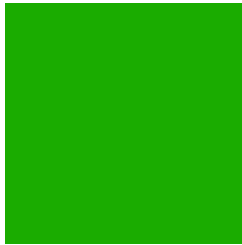
14.4014, 6.7841, 29.5949



0.4322, 0.2050, 0.8248

Previews

White Background



This preview shows how the XYZ color 15.1785, 29.7247, 4.9374 looks on a white background.

Color Contrast Check

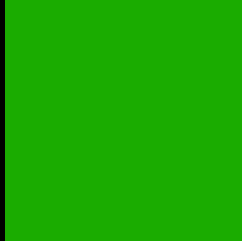
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1785, 29.7247, 4.9374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

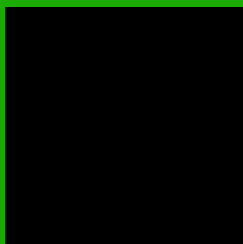
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1785, 29.7247, 4.9374

Background



This preview shows how black text looks on a background with the XYZ color 15.1785, 29.7247, 4.9374.



This preview shows how white text looks on a background with the XYZ color 15.1785, 29.7247,

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

15.1785, 29.7247, 4.9374

Protanopia

26.3158, 29.2868, 4.2659

Deuteranopia

29.7196, 29.2040, 5.8208



Tritanopia

23.0941, 29.6952, 44.0497

Trichromacy



Original Color

15.1785, 29.7247, 4.9374



Protanomaly

19.1272, 27.7588, 4.3499



Deuteranomaly

20.1455, 27.0344, 5.0205



Tritanomaly

17.8349, 28.5762, 19.3276

Monochromacy



Original Color

15.1785, 29.7247, 4.9374



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.5499, 18.5945, 8.5579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1785, 29.7247, 4.9374 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(26, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.1785, 29.7247, 4.9374 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(26, 172, 0) }
```


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

```
.border{ border-color:rgb(26, 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(26, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(26, 172, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1785, 29.7247, 4.9374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 172, 0) }
```

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

```
.background{ background-color: rgb(26, 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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