

Converting Colors

XYZ(15.1079, 29.8074, 4.9571)

Have a look what the booklet for
XYZ(15.1079, 29.8074, 4.9571)
contains.

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Color

**XYZ(15.0211, 29.6435,
4.9301)**

Conversions

Conversions Part 1

Format	Color
Hex	13AC00
RGB	19, 172, 0
RGB Percent	7%, 67%, 0%
CMY	0.9255, 0.3255, 0.9999
CMYK	0.89, 0.00, 1.00, 0.33
HSL	113°, 100%, 34%
HSV	113°, 100%, 67%
XYZ	15.0211, 29.6435, 4.9301
YIQ	106.6450, -35.9760, -85.9280

Conversions

Conversions Part 2

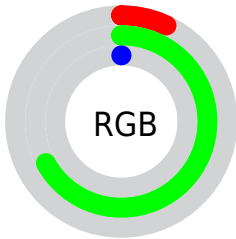
Format	Color
RYB	0, 172, 153
Decimal	1289216
CIELab	61.35, -63.06, 62.07
CIELCh	61, 88.481, 135.452
Yxy	29.6435, 0.3029, 0.5977
Android (android.graphics.Color)	4279479296 (0xFF13AC00)
YUV	106.6450, -52.5760, -76.8647
Hunter-Lab	54.4458, -46.0337, 32.7434

Details

The XYZ color **15.0211, 29.6435, 4.9301** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.5874, 9.7533, 39.8288**, and the grayscale version is **14.0260, 14.7564, 16.0697**.

A 20% lighter version of the original color is **34.5109, 59.2424, 16.0946**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **15.0214, 29.6445, 4.9303**, and if you desaturate by 10%, it is **15.5257, 29.8926, 5.4908**.

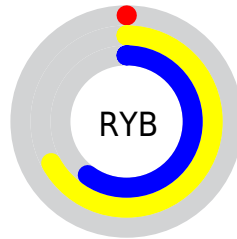
Distribution



Red (7%)

Green (67%)

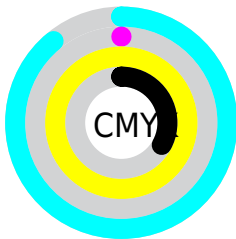
Blue (0%)



Red (0%)

Yellow (67%)

Blue (60%)

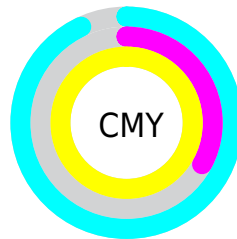


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (93%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0211, 29.6435, 4.9301 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 15.0211, 29.6435, 4.9301 by changing the saturation by 10% instead.


 15.0211, 29.6435,
4.9301


 15.0211, 29.6435,
4.9301


216.8797,
300.2392, 158.0618


 8.9206, 19.5682,
2.1483


 34.4615, 59.0979,
16.1036

 4.7461, 12.0815,
0.6443


 48.5322, 79.2458,
25.3324


 2.1323, 6.7992,
0.0000


 65.9903, 103.5200,
37.5473

 0.7067, 3.3369,
0.0000

 87.2012, 132.3049,
53.1668

 0.0000, 1.3100,
0.0000

 112.5302,
165.9848, 72.6095


 0.0000, 0.1489,
0.0000


 142.3428,


 0.0000, 0.0000,


204.9443, 96.2938


0.0000


 177.0041,
249.5676, 124.6384


 15.0211, 29.6435,
4.9301


 15.0211, 29.6435,
4.9301


 15.0214, 29.6445,
4.9303

 15.5257, 29.8926,
5.4908

 16.3439, 30.2923,
6.5307

 17.5381, 30.8714,
8.2383

 19.1475, 31.6482,
10.7002

 21.2060, 32.6387,
13.9903

■ 23.7441, 33.8572,
18.1733

■ 26.7897, 35.3167,
23.3078

■ 30.3682, 37.0294,
29.4474

■ 34.5038, 39.0064,
36.6415

Harmonies

Analogous

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



22.6109, 29.6435, 1.5119



15.0211, 29.6435, 4.9301



11.5618, 29.6435, 18.6789

Triad

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



15.0211, 29.6435, 4.9301



22.9076, 29.6435, 142.9524



55.8004, 29.6435, 18.0068

Complementary

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



15.0211, 29.6435, 4.9301



20.5874, 9.7533, 39.8288

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.



55.9451, 29.6435, 51.2538



15.0211, 29.6435, 4.9301



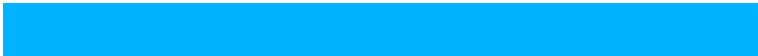
34.5849, 29.6435, 142.2456

Square

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



15.0211, 29.6435, 4.9301



15.1863, 29.6435, 103.1265



47.3772, 29.6435, 101.5786



47.0240, 29.6435, 4.7280

Rectangle

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



15.0211, 29.6435, 4.9301



11.2240, 29.6435, 38.7742



47.3772, 29.6435, 101.5786



56.9267, 29.6435, 26.5490

Sweetspot

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



15.0218, 29.6447, 4.9308



48.2714, 63.9106, 41.7259



28.2322, 31.2074, 4.5361



9.9814, 13.6453, 8.2058



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.



15.0218, 29.6447, 4.9308



27.1585, 53.7303, 8.9396



15.7351, 29.8991, 10.0875



7.9835, 8.9801, 8.5259



11.2025, 22.0722, 3.6699



0.3371, 0.6272, 0.1033

Inverse Universe

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



20.5874, 9.7533, 39.8288



37.2298, 17.6322, 72.2469



19.6196, 9.8136, 14.5163



8.2487, 8.1025, 10.0819



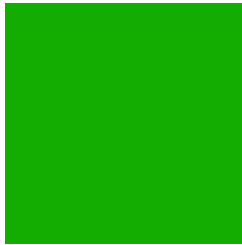
15.3479, 7.2720, 29.6392



0.4512, 0.2148, 0.8257

Previews

White Background



This preview shows how the XYZ color 15.0211, 29.6435, 4.9301 looks on a white background.

Color Contrast Check

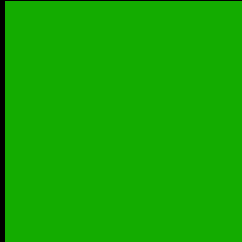
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0211, 29.6435, 4.9301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

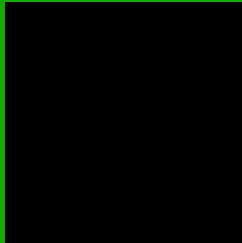
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0211, 29.6435, 4.9301

Background



This preview shows how black text looks on a background with the XYZ color 15.0211, 29.6435, 4.9301.



This preview shows how white text looks on a background with the XYZ color 15.0211, 29.6435,

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

15.0211, 29.6435, 4.9301

Protanopia

26.1596, 28.9744, 4.2139

Deuteranopia

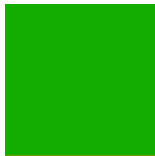
29.7196, 29.2040, 5.8208



Tritanopia

22.9377, 29.6146, 44.0424

Trichromacy



Original Color

15.0211, 29.6435, 4.9301



Protanomaly

18.6985, 27.2876, 4.2815



Deuteranomaly

19.8506, 26.8824, 5.0067



Tritanomaly

17.6113, 28.4610, 19.3172

Monochromacy



Original Color

15.0211, 29.6435, 4.9301



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0613, 18.1458, 8.3356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0211, 29.6435, 4.9301 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(19, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.0211, 29.6435, 4.9301 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(19, 172, 0) }
```


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

```
.border{ border-color:rgb(19, 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(19, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 172, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0211, 29.6435, 4.9301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 172, 0) }
```

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

```
.background{ background-color: rgb(19, 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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