

Converting Colors

XYZ(15.0786, 30.0708, 5.0095)

Have a look what the booklet for
XYZ(15.0786, 30.0708, 5.0095)
contains.

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Color

**XYZ(15.0062, 29.9194,
4.9841)**

Conversions

Conversions Part 1

Format	Color
Hex	05AD00
RGB	5, 173, 0
RGB Percent	2%, 68%, 0%
CMY	0.9804, 0.3216, 0.9999
CMYK	0.97, 0.00, 1.00, 0.32
HSL	118°, 100%, 34%
HSV	118°, 100%, 68%
XYZ	15.0062, 29.9194, 4.9841
YIQ	103.0460, -44.5950, -89.4190

Conversions

Conversions Part 2

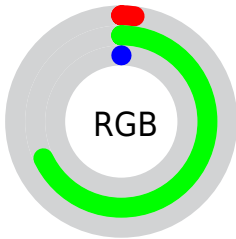
Format	Color
RYB	0, 173, 168
Decimal	371968
CIELab	61.58, -64.18, 62.22
CIELCh	62, 89.389, 135.886
Yxy	29.9194, 0.3007, 0.5995
Android (android.graphics.Color)	4278562048 (0xFF05AD00)
YUV	103.0460, -50.8017, -85.9863
Hunter-Lab	54.6986, -46.7523, 32.8866

Details

The XYZ color **15.0062, 29.9194, 4.9841** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.6947, 11.3439, 40.4775**, and the grayscale version is **13.0445, 13.7238, 14.9453**.

A 20% lighter version of the original color is **34.4626, 59.6294, 16.1718**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.0066, 29.9205, 4.9843**, and if you desaturate by 10%, it is **15.3745, 30.0982, 5.5426**.

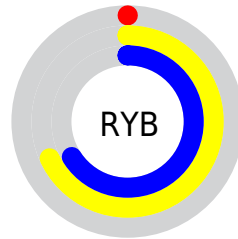
Distribution



Red (2%)

Green (68%)

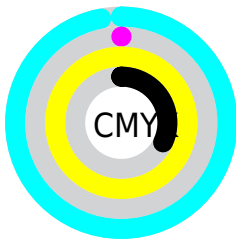
Blue (0%)



Red (0%)

Yellow (68%)

Blue (66%)

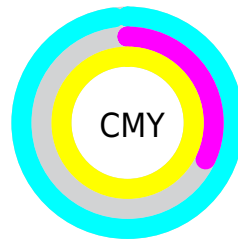


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (98%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0062, 29.9194, 4.9841 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 15.0062, 29.9194, 4.9841 by changing the saturation by 10% instead.


 15.0062, 29.9194,
4.9841


 15.0062, 29.9194,
4.9841


216.7914,
301.5286, 158.6054


 8.9101, 19.7774,
2.1794


 34.4356, 59.5347,
16.2224


 4.7392, 12.2334,
0.6624


 48.4996, 79.7768,
25.4930


 2.1283, 6.9028,
0.0000


 65.9503, 104.1544,
37.7560

 0.7045, 3.4014,
0.0000

 87.1531, 133.0519,
53.4299

 0.0000, 1.3447,
0.0000

 112.4732,
166.8536, 72.9332


 0.0000, 0.1754,
0.0000


 142.2760,


 0.0000, 0.0000,


205.9441, 96.6846


0.0000


 176.9270,
250.7076, 125.1025


 15.0062, 29.9194,
4.9841


 15.0062, 29.9194,
4.9841


 15.0066, 29.9205,
4.9843

 15.3745, 30.0982,
5.5426

 16.0638, 30.4311,
6.5876

 17.1602, 30.9593,
8.3103

 18.7133, 31.7065,
10.7993

 20.7658, 32.6930,
14.1297

■ 23.3553, 33.9368,
18.3677

■ 26.5159, 35.4543,
23.5729

■ 30.2790, 37.2603,
29.7999

■ 34.6735, 39.3687,
37.0991

Harmonies

Analogous

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



22.6410, 29.9194, 1.4856



15.0062, 29.9194, 4.9841



11.5595, 29.9194, 19.1057

Triad

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



15.0062, 29.9194, 4.9841



23.2313, 29.9194, 145.8294



56.4926, 29.9194, 17.7710

Complementary

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



15.0062, 29.9194, 4.9841



23.6947, 11.3439, 40.4775

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.



56.7815, 29.9194, 51.2388



15.0062, 29.9194, 4.9841



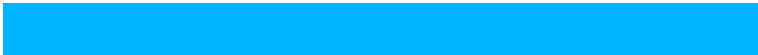
35.1474, 29.9194, 144.4139

Square

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



15.0062, 29.9194, 4.9841



15.3343, 29.9194, 105.5601



48.1528, 29.9194, 102.4631



47.4477, 29.9194, 4.5866

Rectangle

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



15.0062, 29.9194, 4.9841



11.2506, 29.9194, 39.7442



48.1528, 29.9194, 102.4631



57.6872, 29.9194, 26.3281

Sweetspot

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



15.0069, 29.9206, 4.9848



47.1583, 63.3368, 41.6738



31.0965, 36.6089, 5.4277



9.7253, 13.5133, 8.1939



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.



15.0069, 29.9206, 4.9848



26.8443, 53.5683, 8.9249



16.4199, 30.4786, 12.7517



7.9251, 8.9500, 8.5232



11.0326, 21.9846, 3.6620



0.3137, 0.6151, 0.1022

Inverse Universe

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



23.6947, 11.3439, 40.4775



42.4008, 20.2979, 72.4889



19.1783, 9.6625, 11.0428



8.3139, 8.1361, 10.0849



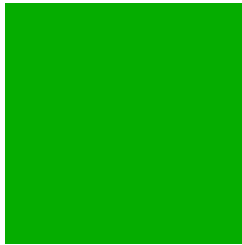
17.4151, 8.3377, 29.7360



0.4914, 0.2355, 0.8275

Previews

White Background



This preview shows how the XYZ color 15.0062, 29.9194, 4.9841 looks on a white background.

Color Contrast Check

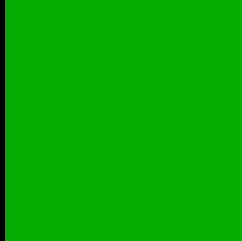
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0062, 29.9194, 4.9841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

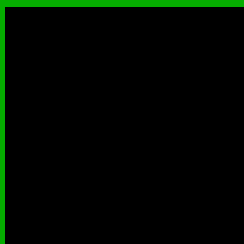
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0062, 29.9194, 4.9841

Background



This preview shows how black text looks on a background with the XYZ color 15.0062, 29.9194, 4.9841.



This preview shows how white text looks on a background with the XYZ color 15.0062, 29.9194,

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

15.0062, 29.9194, 4.9841

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

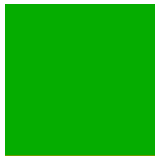
29.9776, 29.3352, 5.9160



Tritanopia

23.1325, 29.9622, 44.6085

Trichromacy



Original Color

15.0062, 29.9194, 4.9841



Protanomaly

18.2413, 27.3021, 4.3084



Deuteranomaly

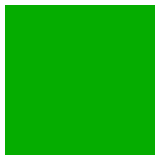
19.1388, 26.5155, 4.9734



Tritanomaly

17.5433, 28.6863, 19.6513

Monochromacy



Original Color

15.0062, 29.9194, 4.9841



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.0173, 17.0250, 7.8597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0062, 29.9194, 4.9841 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(5, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 173, 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(5, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.0062, 29.9194, 4.9841 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(5, 173, 0) }
```


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

```
.border{ border-color:rgb(5, 173, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(5, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 173, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 173, 0); box-shadow:4px  
4px 4px 4px rgb(5, 173, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0062, 29.9194, 4.9841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 173, 0) }
```

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

```
.background{ background-color: rgb(5, 173,  
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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