

Converting Colors

XYZ(15.0813, 30.0651, 5.3275)

Have a look what the booklet for
XYZ(15.0813, 30.0651, 5.3275)
contains.

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Color

**XYZ(15.0040, 29.9113,
5.2993)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD0B
RGB	0, 173, 11
RGB Percent	0%, 68%, 4%
CMY	1.0000, 0.3216, 0.9568
CMYK	1.00, 0.00, 0.94, 0.32
HSL	124°, 100%, 34%
HSV	124°, 100%, 68%
XYZ	15.0040, 29.9113, 5.2993
YIQ	102.8050, -51.1060, -87.0580

Conversions

Conversions Part 2

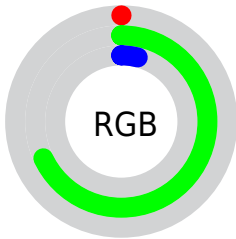
Format	Color
RYB	0, 163, 173
Decimal	44299
CIELab	61.58, -64.16, 60.73
CIELCh	62, 88.347, 136.572
Yxy	29.9113, 0.2988, 0.5957
Android (android.graphics.Color)	4278234379 (0xFF00AD0B)
YUV	102.8050, -45.2599, -90.1600
Hunter-Lab	54.6912, -46.7399, 32.5390

Details

The XYZ color **15.0040, 29.9113, 5.2993** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.7549, 11.4929, 35.1438**, and the grayscale version is **12.9673, 13.6426, 14.8568**.

A 20% lighter version of the original color is **34.4958, 59.6305, 16.8994**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.0046, 29.9125, 5.2999**, and if you desaturate by 10%, it is **15.3811, 30.0904, 6.0474**.

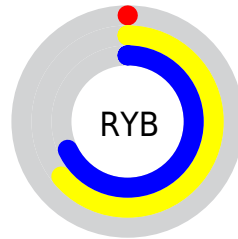
Distribution



Red (0%)

Green (68%)

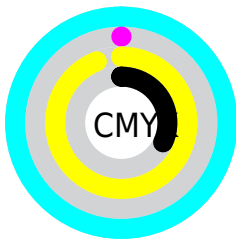
Blue (4%)



Red (0%)

Yellow (64%)

Blue (68%)

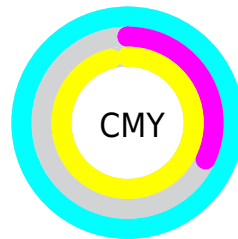


Cyan (100%)

Magenta (0%)

Yellow (94%)

Black (32%)



Cyan (100%)

Magenta (32%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0040, 29.9113, 5.2993 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 15.0040, 29.9113, 5.2993 by changing the saturation by 10% instead.

■ 15.0040, 29.9113,
5.2993

■ 15.0040, 29.9113,
5.2993

216.7783,
301.4908, 161.7264

■ 8.9085, 19.7713,
2.3621

■ 34.4318, 59.5219,
16.9100

■ 4.7382, 12.2289,
0.7657

■ 48.4948, 79.7612,
26.4207

■ 2.1277, 6.8998,
0.0000

■ 65.9444, 104.1358,
38.9596

■ 0.7042, 3.3995,
0.0000

■ 87.1459, 133.0300,
54.9452

■ 0.0000, 1.3437,
0.0000

■ 112.4647,
166.8282, 74.7962

■ 0.0000, 0.1747,
0.0000

■ 142.2662,

■ 0.0000, 0.0000,

205.9148, 98.9310

0.0000

176.9156,
250.6742, 127.7683

■ 15.0040, 29.9113,
5.2993

■ 15.0040, 29.9113,
5.2993

■ 15.0046, 29.9125,
5.2999

■ 15.3811, 30.0904,
6.0474

■ 16.0676, 30.4162,
7.3496

■ 17.1608, 30.9380,
9.2887

■ 18.7109, 31.6802,
11.9320

■ 20.7608, 32.6637,
15.3382

■ 23.3484, 33.9069,
19.5601

■ 26.5080, 35.4265,
24.6455

■ 30.2711, 37.2377,
30.6387

■ 34.6668, 39.3546,
37.5809

Harmonies

Analogous

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



22.4748, 29.9113, 1.6089



15.0040, 29.9113, 5.2993



11.6619, 29.9113, 19.7629

Triad

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



15.0040, 29.9113, 5.2993



23.5114, 29.9113, 144.3037



55.9586, 29.9113, 17.4114

Complementary

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



15.0040, 29.9113, 5.2993



23.7549, 11.4929, 35.1438

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.



56.4627, 29.9113, 49.9712



15.0040, 29.9113, 5.2993



35.3534, 29.9113, 141.8455

Square

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



15.0040, 29.9113, 5.2993



15.5822, 29.9113, 105.5136



48.1357, 29.9113, 100.1260



46.9044, 29.9113, 4.5875

Rectangle

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



15.0040, 29.9113, 5.2993



11.4055, 29.9113, 40.5270



48.1357, 29.9113, 100.1260



57.2053, 29.9113, 25.7264

Sweetspot

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



15.0047, 29.9125, 5.3000



47.1489, 63.2889, 43.6185



30.3270, 37.8185, 5.7014



9.7233, 13.5024, 8.6395



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.



15.0047, 29.9125, 5.3000



26.8445, 53.5591, 9.3488



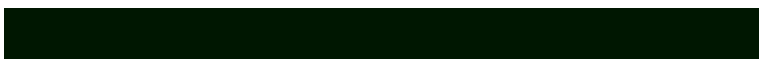
17.0167, 30.7173, 15.8951



7.9244, 8.9473, 8.6270



11.0308, 21.9776, 3.9358



0.3134, 0.6140, 0.1440

Inverse Universe

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



23.7549, 11.4929, 35.1438



42.5117, 20.5701, 62.7772



18.6042, 9.4326, 8.0202



8.3147, 8.1391, 9.9682



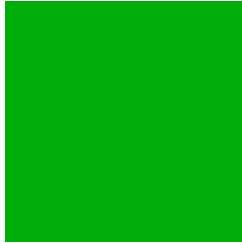
17.4588, 8.4461, 25.8595



0.4921, 0.2375, 0.7534

Previews

White Background



This preview shows how the XYZ color 15.0040, 29.9113, 5.2993 looks on a white background.

Color Contrast Check

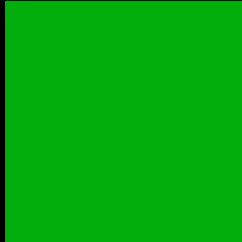
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0040, 29.9113, 5.2993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

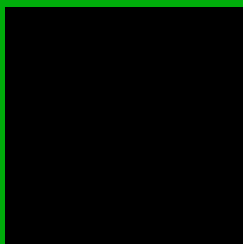
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0040, 29.9113, 5.2993

Background



This preview shows how black text looks on a background with the XYZ color 15.0040, 29.9113, 5.2993.



This preview shows how white text looks on a background with the XYZ color 15.0040, 29.9113,

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

15.0040, 29.9113, 5.2993

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

29.9940, 29.3418, 6.0021



Tritanopia

23.1325, 29.9622, 44.6085

Trichromacy



Original Color

15.0040, 29.9113, 5.2993



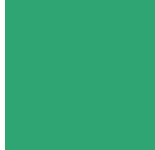
Protanomaly

18.0227, 27.1869, 4.4126



Deuteranomaly

18.9212, 26.3967, 5.2602



Tritanomaly

17.6764, 28.7289, 20.8333

Monochromacy



Original Color

15.0040, 29.9113, 5.2993



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.0714, 17.0388, 8.4996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0040, 29.9113, 5.2993 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, 173, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 11)  
}
```

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, 173, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 11) }
```

Border

The CSS property to change the border of an element to XYZ 15.0040, 29.9113, 5.2993 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, 173, 11) }
```


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

```
.border{ border-color:rgb(0, 173, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0040, 29.9113, 5.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 11) }
```

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

```
.background{ background-color: rgb(0, 173,  
11) }
```

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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