

Converting Colors

XYZ(15.1668, 30.1162, 5.0136)

Have a look what the booklet for
XYZ(15.1668, 30.1162, 5.0136)
contains.

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Color

**XYZ(15.0952, 29.9653,
4.9883)**

Conversions

Conversions Part 1

Format	Color
Hex	0CAD00
RGB	12, 173, 0
RGB Percent	5%, 68%, 0%
CMY	0.9529, 0.3216, 0.9999
CMYK	0.93, 0.00, 1.00, 0.32
HSL	116°, 100%, 34%
HSV	116°, 100%, 68%
XYZ	15.0952, 29.9653, 4.9883
YIQ	105.1390, -40.4230, -87.9350

Conversions

Conversions Part 2

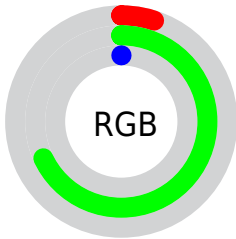
Format	Color
RYB	0, 173, 161
Decimal	830720
CIELab	61.62, -63.82, 62.27
CIELCh	62, 89.163, 135.702
Yxy	29.9653, 0.3016, 0.5987
Android (android.graphics.Color)	4279020800 (0xFF0CAD00)
YUV	105.1390, -51.8335, -81.6829
Hunter-Lab	54.7406, -46.5730, 32.9155

Details

The XYZ color **15.0952, 29.9653, 4.9883** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.2451, 10.5967, 40.4097**, and the grayscale version is **13.6103, 14.3191, 15.5935**.

A 20% lighter version of the original color is **34.6784, 59.7407, 16.1819**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.0956, 29.9664, 4.9885**, and if you desaturate by 10%, it is **15.5295, 30.1781, 5.5499**.

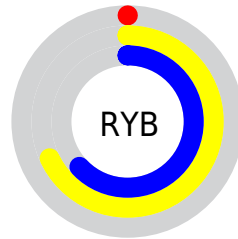
Distribution



Red (5%)

Green (68%)

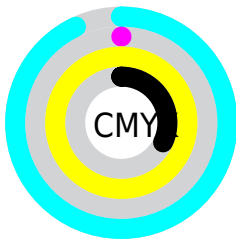
Blue (0%)



Red (0%)

Yellow (68%)

Blue (63%)

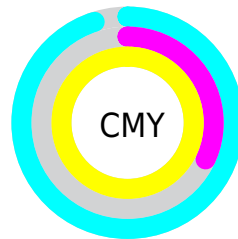


Cyan (93%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (95%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0952, 29.9653, 4.9883 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 15.0952, 29.9653, 4.9883 by changing the saturation by 10% instead.


 15.0952, 29.9653,
4.9883

 15.0952, 29.9653,
4.9883


217.3187,
301.7427, 158.6476


 8.9730, 19.8123,
2.1818


 34.5904, 59.6073,
16.2316


 4.7805, 12.2586,
0.6638


 48.6941, 79.8650,
25.5055


 2.1525, 6.9201,
0.0000


 66.1889, 104.2598,
37.7722

 0.7175, 3.4122,
0.0000

 87.4404, 133.1760,
53.4503

 0.0000, 1.3505,
0.0000

 112.8137,
166.9979, 72.9584


 0.0000, 0.1798,
0.0000


 142.6743,


 0.0000, 0.0000,


206.1101, 96.7149


0.0000


 177.3875,
250.8969, 125.1385


 15.0952, 29.9653,
4.9883


 15.0952, 29.9653,
4.9883


 15.0956, 29.9664,
4.9885

 15.5295, 30.1781,
5.5499

 16.2894, 30.5474,
6.5982

 17.4442, 31.1058,
8.3237

 19.0382, 31.8740,
10.8147

 21.1096, 32.8703,
14.1460

■ 23.6927, 34.1108,
18.3838

■ 26.8184, 35.6102,
23.5875

■ 30.5152, 37.3820,
29.8114

■ 34.8097, 39.4389,
37.1060

Harmonies

Analogous

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



22.7527, 29.9653, 1.5051



15.0952, 29.9653, 4.9883



11.6241, 29.9653, 19.0267

Triad

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



15.0952, 29.9653, 4.9883



23.2197, 29.9653, 145.3908



56.5053, 29.9653, 17.9698

Complementary

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



15.0952, 29.9653, 4.9883



22.2451, 10.5967, 40.4097

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.



56.7335, 29.9653, 51.5272



15.0952, 29.9653, 4.9883



35.0984, 29.9653, 144.2741

Square

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



15.0952, 29.9653, 4.9883



15.3550, 29.9653, 105.0906



48.0835, 29.9653, 102.6461



47.5264, 29.9653, 4.6722

Rectangle

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



15.0952, 29.9653, 4.9883



11.3011, 29.9653, 39.5441



48.0835, 29.9653, 102.6461



57.6770, 29.9653, 26.5677

Sweetspot

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



15.0959, 29.9665, 4.9890



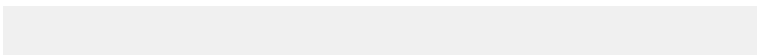
47.7042, 63.6182, 41.6994



29.5617, 33.5393, 4.9162



9.8506, 13.5779, 8.1997



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.



15.0959, 29.9665, 4.9890



26.9693, 53.6328, 8.9307



16.1172, 30.3576, 11.1572



7.9540, 8.9649, 8.5245



11.1088, 22.0239, 3.6655



0.3253, 0.6211, 0.1027

Inverse Universe

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



22.2451, 10.5967, 40.4097



39.7622, 18.9376, 72.3654



19.5798, 9.8231, 13.1569



8.2815, 8.1194, 10.0834



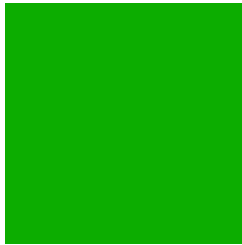
16.3612, 7.7944, 29.6866



0.4711, 0.2251, 0.8266

Previews

White Background



This preview shows how the XYZ color 15.0952, 29.9653, 4.9883 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 15.0952, 29.9653, 4.9883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

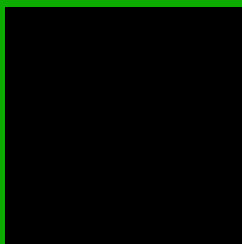
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0952, 29.9653, 4.9883

Background



This preview shows how black text looks on a background with the XYZ color 15.0952, 29.9653, 4.9883.



This preview shows how white text looks on a background with the XYZ color 15.0952, 29.9653,

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

15.0952, 29.9653, 4.9883

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

29.9776, 29.3352, 5.9160



Tritanopia

23.1325, 29.9622, 44.6085

Trichromacy



Original Color

15.0952, 29.9653, 4.9883



Protanomaly

18.6125, 27.4934, 4.3258



Deuteranomaly

19.5615, 26.7334, 4.9932



Tritanomaly

17.6896, 28.7618, 19.6582

Monochromacy



Original Color

15.0952, 29.9653, 4.9883



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.5943, 17.7101, 8.1175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0952, 29.9653, 4.9883 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(12, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.0952, 29.9653, 4.9883 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(12, 173, 0) }
```


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

```
.border{ border-color:rgb(12, 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(12, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 173, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0952, 29.9653, 4.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 173, 0) }
```

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

```
.background{ background-color: rgb(12, 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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