

Converting Colors

XYZ(15.6428, 29.6412, 4.8974)

Have a look what the booklet for
XYZ(15.6428, 29.6412, 4.8974)
contains.

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Color

**XYZ(15.6896, 29.7067,
4.9070)**

Conversions

Conversions Part 1

Format	Color
Hex	2EAB00
RGB	46, 171, 0
RGB Percent	18%, 67%, 0%
CMY	0.8196, 0.3294, 0.9999
CMYK	0.73, 0.00, 1.00, 0.33
HSL	104°, 100%, 34%
HSV	104°, 100%, 67%
XYZ	15.6896, 29.7067, 4.9070
YIQ	114.1310, -19.6090, -79.6810

Conversions

Conversions Part 2

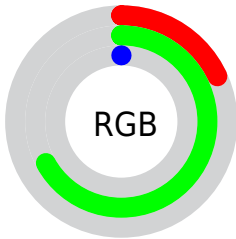
Format	Color
RYB	0, 171, 125
Decimal	3058432
CIELab	61.40, -59.34, 62.28
CIELCh	61, 86.022, 133.618
Yxy	29.7067, 0.3119, 0.5906
Android (android.graphics.Color)	4281248512 (0xFF2EAB00)
YUV	114.1310, -56.2666, -59.7509
Hunter-Lab	54.5039, -43.9983, 32.8148

Details

The XYZ color **15.6896, 29.7067, 4.9070** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.8114, 7.3021, 39.1059**, and the grayscale version is **16.2026, 17.0464, 18.5636**.

A 20% lighter version of the original color is **35.5152, 58.9433, 15.9839**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **15.6897, 29.7077, 4.9072**, and if you desaturate by 10%, it is **16.4398, 30.0825, 5.4751**.

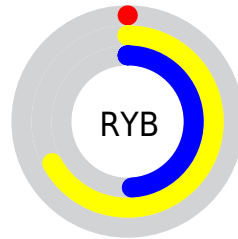
Distribution



Red (18%)

Green (67%)

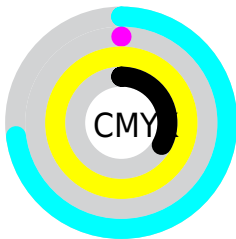
Blue (0%)



Red (0%)

Yellow (67%)

Blue (49%)

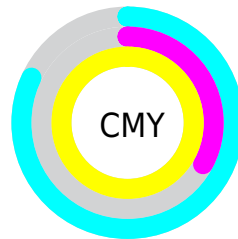


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (82%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6896, 29.7067, 4.9070 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 15.6896, 29.7067, 4.9070 by changing the saturation by 10% instead.

■ 15.6896, 29.7067,
4.9070

■ 15.6896, 29.7067,
4.9070

■ 220.8097,
300.5349, 157.8284

■ 9.3942, 19.6161,
2.1350

■ 35.6203, 59.1980,
16.0528

■ 5.0584, 12.1163,
0.6365

■ 49.9863, 79.3675,
25.2636

■ 2.3167, 6.8229,
0.0000

■ 67.7733, 103.6654,
37.4578

■ 0.8032, 3.3516,
0.0000

■ 89.3466, 132.4761,
53.0540

■ 0.0000, 1.3179,
0.0000

■ 115.0715,
166.1840, 72.4706


■ 0.0000, 0.1550,
0.0000


■ 145.3134,


■ 0.0000, 0.0000,


205.1735, 96.1261


0.0000


 180.4377,
249.8290, 124.4392


 15.6896, 29.7067,
4.9070

 15.6896, 29.7067,
4.9070


 15.6897, 29.7077,
4.9072

 16.4398, 30.0825,
5.4751

 17.4541, 30.5835,
6.5130

 18.7799, 31.2309,
8.2069

 20.4441, 32.0366,
10.6418

 22.4700, 33.0112,
13.8898

■ 24.8788, 34.1642,
18.0144

■ 27.6901, 35.5044,
23.0730

■ 30.9218, 37.0400,
29.1179

■ 34.5910, 38.7786,
36.1978

Harmonies

Analogous

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



23.3988, 29.7067, 1.6856



15.6896, 29.7067, 4.9070



12.0373, 29.7067, 17.7169

Triad

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



15.6896, 29.7067, 4.9070



22.5125, 29.7067, 137.1199



55.2257, 29.7067, 19.7403

Complementary

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



15.6896, 29.7067, 4.9070



15.8114, 7.3021, 39.1059

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.



54.8003, 29.7067, 53.3889



15.6896, 29.7067, 4.9070



33.6962, 29.7067, 139.1755

Square

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



15.6896, 29.7067, 4.9070



15.1915, 29.7067, 97.5278



46.1410, 29.7067, 102.0485



47.1822, 29.7067, 5.5392

Rectangle

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



15.6896, 29.7067, 4.9070



11.5660, 29.7067, 36.4555



46.1410, 29.7067, 102.0485



56.1227, 29.7067, 28.5567

Sweetspot

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



15.6903, 29.7079, 4.9077



49.2991, 63.4457, 40.7883



23.8235, 22.7145, 3.1291



10.5180, 13.9220, 8.2310



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.



15.6903, 29.7079, 4.9077



27.9246, 53.1131, 8.7801



14.8986, 29.2612, 6.6181



8.0991, 9.0397, 8.5313



11.8714, 22.4170, 3.7012



0.3827, 0.6506, 0.1054

Inverse Universe

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



15.8114, 7.3021, 39.1059



28.1032, 12.9669, 70.0235



21.0955, 10.3786, 23.4295



8.1238, 8.0381, 10.0760



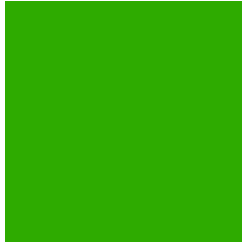
11.9704, 5.5309, 29.4812



0.3814, 0.1788, 0.8224

Previews

White Background



This preview shows how the XYZ color 15.6896, 29.7067, 4.9070 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 15.6896, 29.7067, 4.9070 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 15.6896, 29.7067, 4.9070

Background



This preview shows how black text looks on a background with the XYZ color 15.6896, 29.7067, 4.9070.



This preview shows how white text looks on a background with the XYZ color 15.6896, 29.7067,

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

15.6896, 29.7067, 4.9070

Protanopia

26.3158, 29.2868, 4.2659

Deuteranopia

29.7196, 29.2040, 5.8208



Tritanopia

23.4118, 29.6138, 43.5118

Trichromacy



Original Color

15.6896, 29.7067, 4.9070



Protanomaly

19.9145, 27.9145, 4.3384



Deuteranomaly

21.0630, 27.2675, 5.0172



Tritanomaly

18.3833, 28.6006, 19.0196

Monochromacy



Original Color

15.6896, 29.7067, 4.9070



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.9864, 19.9328, 9.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6896, 29.7067, 4.9070 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(46, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 171, 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(46, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6896, 29.7067, 4.9070 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(46, 171, 0) }
```


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

```
.border{ border-color:rgb(46, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6896, 29.7067, 4.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 171, 0) }
```

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

```
.background{ background-color: rgb(46, 171,  
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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