

Converting Colors

XYZ(15.1421, 29.3102, 7.4255)

Have a look what the booklet for
XYZ(15.1421, 29.3102, 7.4255)
contains.

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Color

**XYZ(15.1812, 29.3876,
7.4570)**

Conversions

Conversions Part 1

Format	Color
Hex	0AAB2E
RGB	10, 171, 46
RGB Percent	4%, 67%, 18%
CMY	0.9608, 0.3294, 0.8196
CMYK	0.94, 0.00, 0.73, 0.33
HSL	133°, 89%, 35%
HSV	133°, 94%, 67%
XYZ	15.1812, 29.3876, 7.4570
YIQ	108.6110, -55.8310, -73.0070

Conversions

Conversions Part 2

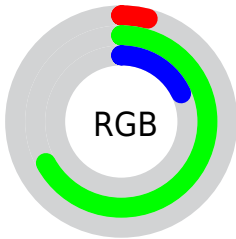
Format	Color
RYB	10, 142, 171
Decimal	699182
CIELab	61.12, -61.14, 51.14
CIElCh	61, 79.708, 140.088
Yxy	29.3876, 0.2918, 0.5649
Android (android.graphics.Color)	4278889262 (0xFF0AAB2E)
YUV	108.6110, -30.8672, -86.4818
Hunter-Lab	54.2103, -44.8805, 29.7915

Details

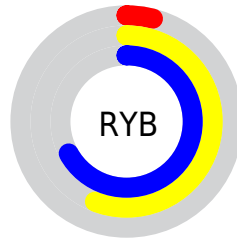
The XYZ color **15.1812, 29.3876, 7.4570** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.2769, 10.6246, 23.8504**, and the grayscale version is **14.5221, 15.2784, 16.6381**.

A 20% lighter version of the original color is **34.8194, 58.8745, 21.3331**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.9172, 29.2685, 6.7173**, and if you desaturate by 10%, it is **15.8149, 29.6801, 9.0712**.

Distribution



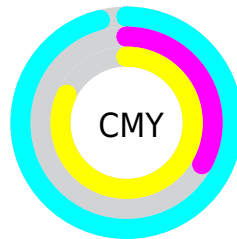
- Red (4%)
- Green (67%)
- Blue (18%)



- Red (4%)
- Yellow (56%)
- Blue (67%)



- Cyan (94%)
- Magenta (0%)
- Yellow (73%)
- Black (33%)





- Cyan (96%)
- Magenta (33%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1812, 29.3876, 7.4570 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 15.1812, 29.3876, 7.4570 by changing the saturation by 10% instead.


 15.1812, 29.3876,
7.4570


 15.1812, 29.3876,
7.4570


217.8271,
299.0394, 181.1813


 9.0338, 19.3742,
3.6668


 34.7398, 58.6923,
21.4152


 4.8205, 11.9410,
1.4444


 48.8817, 78.7525,
32.4202


 2.1760, 6.7035,
0.1760


 66.4192, 102.9304,
46.6672

 0.7301, 3.2774,
0.0000

 87.7175, 131.6104,
64.5748

 0.0000, 1.2782,
0.0000

 113.1421,
165.1769, 86.5614

 0.0000, 0.1242,
0.0000

 143.0584,

 0.0000, 0.0000,

204.0143, 113.0457

0.0000

177.8315,
248.5070, 144.4461

■ 15.1812, 29.3876,
7.4570

■ 15.1812, 29.3876,
7.4570

■ 14.9172, 29.2685,
6.7173

■ 15.8149, 29.6801,
9.0712

■ 16.7988, 30.1421,
11.1592

■ 18.1795, 30.7979,
13.7553

■ 19.9957, 31.6666,
16.8902

■ 22.2812, 32.7653,
20.5920

■ 25.0665, 34.1090,
24.8870

■ 28.3794, 35.7115,
29.7996

■ 32.2457, 37.5858,
35.3531

■ 36.6895, 39.7436,
41.5693

Harmonies

Analogous

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



21.5838, 29.3876, 2.6707



15.1812, 29.3876, 7.4570



12.4464, 29.3876, 23.0794

Triad

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



15.1812, 29.3876, 7.4570



24.6140, 29.3876, 128.7432



51.3708, 29.3876, 16.0242

Complementary

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



15.1812, 29.3876, 7.4570



21.2769, 10.6246, 23.8504

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.



52.7677, 29.3876, 42.9612



15.1812, 29.3876, 7.4570



35.4168, 29.3876, 122.1762

Square

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



15.1812, 29.3876, 7.4570



16.9220, 29.3876, 99.5398



46.3517, 29.3876, 84.9399



42.9088, 29.3876, 5.0444

Rectangle

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



15.1812, 29.3876, 7.4570



12.4526, 29.3876, 43.1723



46.3517, 29.3876, 84.9399



52.7514, 29.3876, 22.9404

Sweetspot

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



15.1819, 29.3888, 7.4577



48.1284, 62.6502, 49.4082



24.7910, 34.3931, 5.6191



10.1896, 13.7085, 10.2084



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.



15.1819, 29.3888, 7.4577



26.6488, 52.3899, 11.6816



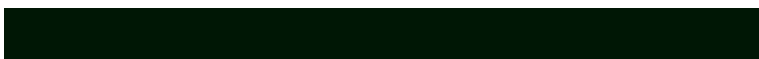
18.4150, 30.6821, 24.4831



7.9751, 8.9676, 8.8940



11.2619, 22.0700, 5.1530



0.3335, 0.6221, 0.2499

Inverse Universe

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



21.2769, 10.6246, 23.8504



37.5476, 18.4936, 40.7405



17.6083, 9.1571, 4.5319



8.2593, 8.1170, 9.6761



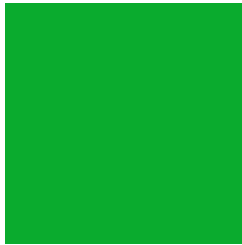
15.8601, 7.8066, 17.4406



0.4599, 0.2246, 0.5836

Previews

White Background



This preview shows how the XYZ color 15.1812, 29.3876, 7.4570 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 15.1812, 29.3876, 7.4570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

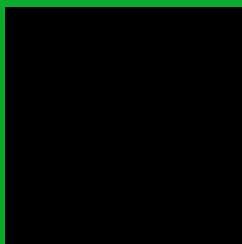
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1812, 29.3876, 7.4570

Background



This preview shows how black text looks on a background with the XYZ color 15.1812, 29.3876, 7.4570.



This preview shows how white text looks on a background with the XYZ color 15.1812, 29.3876,

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

15.1812, 29.3876, 7.4570

Protanopia

26.1266, 28.9132, 6.2113

Deuteranopia

29.2877, 28.7158, 8.0021



Tritanopia

22.6157, 29.4598, 43.5241

Trichromacy



Original Color

15.1812, 29.3876, 7.4570



Protanomaly

18.4907, 27.1322, 6.4530



Deuteranomaly

19.3402, 26.3215, 7.5512



Tritanomaly

18.3080, 28.7102, 24.3154

Monochromacy



Original Color

15.1812, 29.3876, 7.4570



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.6786, 18.5909, 11.7243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1812, 29.3876, 7.4570 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(10, 171, 46)` looks like.

```
.text, #text, p{  
    color:rgb(10, 171, 46)  
}
```

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(10, 171, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 171, 46) }
```

Border

The CSS property to change the border of an element to XYZ 15.1812, 29.3876, 7.4570 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(10, 171, 46) }
```


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

```
.border{ border-color:rgb(10, 171, 46) }
```

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

Here you see how a box with a 4 pixel rgb(10, 171, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 171, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 171, 46);  
box-shadow:4px 4px 4px 4px rgb(10, 171,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1812, 29.3876, 7.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 171, 46) }
```

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

```
.background{ background-color: rgb(10, 171,  
46) }
```

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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