

Converting Colors

XYZ(15.8291, 31.0465, 5.9899)

Have a look what the booklet for
XYZ(15.8291, 31.0465, 5.9899)
contains.

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Color

**XYZ(15.9294, 31.2411,
6.0012)**

Conversions

Conversions Part 1

Format	Color
Hex	12B017
RGB	18, 176, 23
RGB Percent	7%, 69%, 9%
CMY	0.9294, 0.3098, 0.9098
CMYK	0.90, 0.00, 0.87, 0.31
HSL	122°, 81%, 38%
HSV	122°, 90%, 69%
XYZ	15.9294, 31.2411, 6.0012
YIQ	111.3160, -45.0550, -81.0790

Conversions

Conversions Part 2

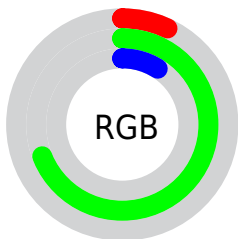
Format	Color
RYB	18, 171, 176
Decimal	1224727
CIELab	62.71, -63.60, 59.60
CIELCh	63, 87.158, 136.862
Yxy	31.2411, 0.2996, 0.5876
Android (android.graphics.Color)	4279414807 (0xFF12B017)
YUV	111.3160, -43.5398, -81.8381
Hunter-Lab	55.8937, -46.9425, 32.7598

Details

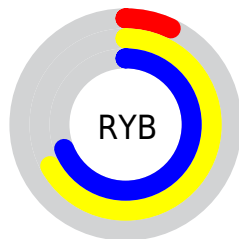
The XYZ color **15.9294, 31.2411, 6.0012** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **25.4714, 12.6030, 39.6140**, and the grayscale version is **15.3342, 16.1328, 17.5686**.

A 20% lighter version of the original color is **35.9947, 61.6272, 18.3856**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.5636, 31.0676, 5.3477**, and if you desaturate by 10%, it is **16.6235, 31.5734, 7.2302**.

Distribution



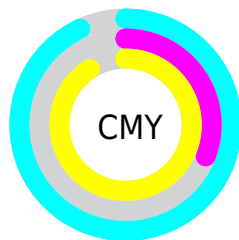
- Red (7%)
- Green (69%)
- Blue (9%)



- Red (7%)
- Yellow (67%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (87%)
- Black (31%)





- Cyan (93%)
- Magenta (31%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9294, 31.2411, 6.0012 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 15.9294, 31.2411, 6.0012 by changing the saturation by 10% instead.


 15.9294, 31.2411,
6.0012


 15.9294, 31.2411,
6.0012


222.2033,
307.6475, 168.3883


 9.5647, 20.7825,
2.7770


 36.0340, 61.6195,
18.4111


 5.1714, 12.9651,
0.9819


 50.5047, 82.3080,
28.4339


 2.3840, 7.4045,
0.0000


 68.4081, 107.1754,
41.5599

 0.8371, 3.7164,
0.0000

 90.1096, 136.6059,
58.2078

 0.0000, 1.5162,
0.0000

 115.9745,
170.9839, 78.7961

 0.0000, 0.3001,
0.0000

 146.3682,

 0.0000, 0.0000,

210.6940, 103.7432

0.0000

181.6560,
256.1204, 133.4678

■ 15.9294, 31.2411,
6.0012

■ 15.9294, 31.2411,
6.0012

■ 15.5636, 31.0676,
5.3477

■ 16.6235, 31.5734,
7.2302

■ 15.5565, 31.0642,
5.3364

■ 17.7455, 32.1105,
9.1459

■ 19.3504, 32.8802,
11.8292

■ 21.4844, 33.9046,
15.3497

■ 24.1883, 35.2035,
19.7689

■ 27.4989, 36.7946,
25.1427

■ 31.4499, 38.6944,
31.5223

■ 36.0726, 40.9177,
38.9553

■ 41.3962, 43.4788,
47.4865

Harmonies

Analogous

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



23.5381, 31.2411, 1.9467



15.9294, 31.2411, 6.0012



12.5183, 31.2411, 21.1876

Triad

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



15.9294, 31.2411, 6.0012



24.7897, 31.2411, 146.0814



57.4204, 31.2411, 18.3272

Complementary

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



15.9294, 31.2411, 6.0012



25.4714, 12.6030, 39.6140

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.



58.0198, 31.2411, 51.1946



15.9294, 31.2411, 6.0012



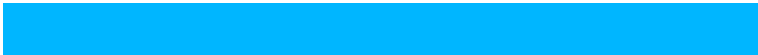
36.8386, 31.2411, 143.1891

Square

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



15.9294, 31.2411, 6.0012



16.6336, 31.2411, 107.7558



49.7189, 31.2411, 101.3912



48.2512, 31.2411, 5.1031

Rectangle

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



15.9294, 31.2411, 6.0012



12.2753, 31.2411, 42.4625



49.7189, 31.2411, 101.3912



58.7025, 31.2411, 26.7716

Sweetspot

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



15.9301, 31.2424, 6.0019



51.4160, 67.4730, 48.0966



32.9506, 40.0220, 6.5605



10.6650, 14.3928, 9.6503



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.9301, 31.2424, 6.0019



28.1977, 56.3317, 9.5960



18.0579, 32.0935, 17.2069



8.3995, 9.4943, 9.0976



11.4178, 22.7931, 3.9371



0.3628, 0.7186, 0.1428

Inverse Universe

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



25.4714, 12.6030, 39.6140



45.6873, 22.0262, 71.1059



20.1584, 10.4778, 11.6362



8.8382, 8.6420, 10.6462



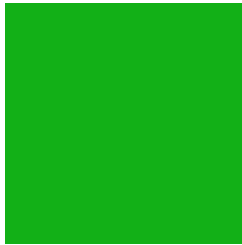
18.4938, 8.9151, 28.8241



0.5855, 0.2819, 0.9259

Previews

White Background



This preview shows how the XYZ color 15.9294, 31.2411, 6.0012 looks on a white background.

Color Contrast Check

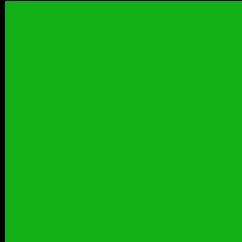
Large Text (above 18pt) WCAG AA × Fail

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 15.9294, 31.2411, 6.0012 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 ✓ Pass

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

XYZ 15.9294, 31.2411, 6.0012

Background



This preview shows how black text looks on a background with the XYZ color 15.9294, 31.2411, 6.0012.



This preview shows how white text looks on a background with the XYZ color 15.9294, 31.2411,

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

15.9294, 31.2411, 6.0012

Protanopia

27.7234, 30.7110, 4.8821

Deuteranopia

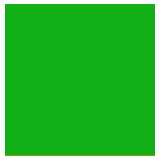
31.2633, 30.6456, 6.6503



Tritanopia

24.1129, 31.2211, 46.3504

Trichromacy



Original Color

15.9294, 31.2411, 6.0012



Protanomaly

19.7422, 28.8269, 5.0539



Deuteranomaly

20.7922, 28.0821, 5.9936



Tritanomaly

18.9751, 30.1700, 22.9125

Monochromacy



Original Color

15.9294, 31.2411, 6.0012



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.1358, 19.4702, 10.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9294, 31.2411, 6.0012 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(18, 176, 23)` looks like.

```
.text, #text, p{  
    color:rgb(18, 176, 23)  
}
```

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(18, 176, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 176, 23) }
```

Border

The CSS property to change the border of an element to XYZ 15.9294, 31.2411, 6.0012 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(18, 176, 23) }
```


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

```
.border{ border-color:rgb(18, 176, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 176, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 176, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 176, 23);  
box-shadow:4px 4px 4px 4px rgb(18, 176,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9294, 31.2411, 6.0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 176, 23) }
```

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

```
.background{ background-color: rgb(18, 176,  
23) }
```

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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