

Converting Colors

XYZ(14.7835, 29.1689, 6.1537)

Have a look what the booklet for
XYZ(14.7835, 29.1689, 6.1537)
contains.

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Color

**XYZ(14.8102, 29.2247,
6.1567)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB1F
RGB	0, 171, 31
RGB Percent	0%, 67%, 12%
CMY	1.0000, 0.3294, 0.8784
CMYK	1.00, 0.00, 0.82, 0.33
HSL	131°, 100%, 34%
HSV	131°, 100%, 67%
XYZ	14.8102, 29.2247, 6.1567
YIQ	103.9110, -56.9760, -79.7920

Conversions

Conversions Part 2

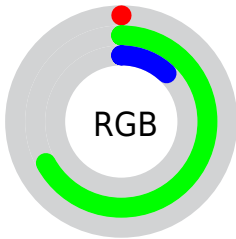
Format	Color
RYB	0, 145, 171
Decimal	43807
CIELab	60.98, -62.75, 55.96
CIELCh	61, 84.078, 138.275
Yxy	29.2247, 0.2951, 0.5823
Android (android.graphics.Color)	4278233887 (0xFF00AB1F)
YUV	103.9110, -35.9451, -91.1299
Hunter-Lab	54.0599, -45.7031, 31.0896

Details

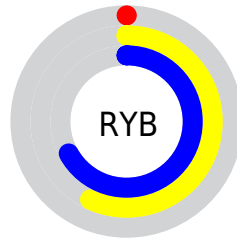
The XYZ color **14.8102, 29.2247, 6.1567** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.5286, 10.5516, 25.7114**, and the grayscale version is **13.2390, 13.9285, 15.1681**.

A 20% lighter version of the original color is **34.2242, 58.6243, 18.7443**, and **6.3613, 12.7226, 2.1204** is the 20% darker color. If you saturate the color by 10%, you get **14.8109, 29.2259, 6.1574**, and if you desaturate by 10%, it is **15.2702, 29.4366, 7.3603**.

Distribution



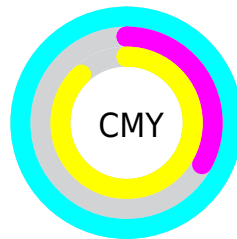
- Red (0%)
- Green (67%)
- Blue (12%)



- Red (0%)
- Yellow (57%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8102, 29.2247, 6.1567 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 14.8102, 29.2247, 6.1567 by changing the saturation by 10% instead.

■ 14.8102, 29.2247,
6.1567

■ 14.8102, 29.2247,
6.1567

215.6258,
298.2737, 169.8160

■ 8.7717, 19.2509,
2.8703

■ 34.0943, 58.4339,
18.7385

■ 4.6485, 11.8517,
1.0288

■ 48.0706, 78.4381,
28.8710

■ 2.0752, 6.6428,
0.0000

■ 65.4236, 102.5544,
42.1226

■ 0.6757, 3.2397,
0.0000

■ 86.5185, 131.1675,
58.9119

■ 0.0000, 1.2581,
0.0000

■ 111.7209,
164.6615, 79.6573

■ 0.0000, 0.1084,
0.0000

■ 141.3960,

■ 0.0000, 0.0000,

203.4210, 104.7774

0.0000

175.9091,
247.8302, 134.6908

■ 14.8102, 29.2247,
6.1567

■ 14.8102, 29.2247,
6.1567

■ 14.8109, 29.2259,
6.1574

■ 15.2702, 29.4366,
7.3603

■ 16.0194, 29.7863,
9.0435

■ 17.1467, 30.3197,
11.2529

■ 18.6960, 31.0586,
14.0275

■ 20.7047, 32.0215,
17.4027

■ 23.2062, 33.2249,
21.4110

■ 26.2307, 34.6838,
26.0825

■ 29.8058, 36.4119,
31.4454

■ 33.9575, 38.4219,
37.5262

Harmonies

Analogous

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



21.6681, 29.2247, 2.0132



14.8102, 29.2247, 6.1567



11.8075, 29.2247, 21.0455

Triad

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



14.8102, 29.2247, 6.1567



23.7033, 29.2247, 135.3528



53.0392, 29.2247, 16.3753

Complementary

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



14.8102, 29.2247, 6.1567



21.5286, 10.5516, 25.7114

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.



54.0060, 29.2247, 45.7602



14.8102, 29.2247, 6.1567



34.9385, 29.2247, 130.7125

Square

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



14.8102, 29.2247, 6.1567



15.9604, 29.2247, 101.6571



46.7050, 29.2247, 91.4243



44.3343, 29.2247, 4.6628

Rectangle

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



14.8102, 29.2247, 6.1567



11.6831, 29.2247, 41.3416



46.7050, 29.2247, 91.4243



54.3507, 29.2247, 23.8868

Sweetspot

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



14.8109, 29.2259, 6.1574



46.6644, 61.9642, 46.2362



25.8052, 34.9223, 5.3806



9.8906, 13.5693, 9.5202



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.



14.8109, 29.2259, 6.1574



26.4683, 52.3177, 10.7311



17.6008, 30.3419, 20.8491



7.9616, 8.9622, 8.8228



11.1794, 22.0370, 4.7184



0.3282, 0.6199, 0.2219

Inverse Universe

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



21.5286, 10.5516, 25.7114



38.4829, 18.8678, 45.6656



17.5338, 8.9537, 4.6751



8.2738, 8.1228, 9.7528



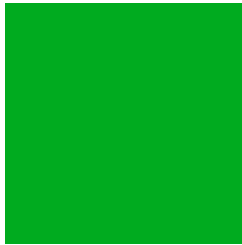
16.2464, 7.9611, 19.4750



0.4680, 0.2279, 0.6260

Previews

White Background



This preview shows how the XYZ color 14.8102, 29.2247, 6.1567 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 14.8102, 29.2247, 6.1567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

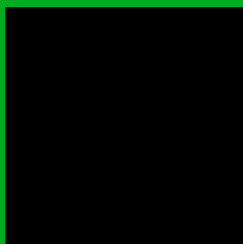
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8102, 29.2247, 6.1567

Background



This preview shows how black text looks on a background with the XYZ color 14.8102, 29.2247, 6.1567.



This preview shows how white text looks on a background with the XYZ color 14.8102, 29.2247,

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

14.8102, 29.2247, 6.1567

Protanopia

26.1156, 28.9327, 5.0723

Deuteranopia

29.2741, 28.7378, 6.6934



Tritanopia

22.4431, 29.1144, 43.4665

Trichromacy



Original Color

14.8102, 29.2247, 6.1567



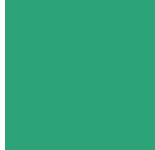
Protanomaly

17.9120, 26.8593, 5.2772



Deuteranomaly

18.6693, 26.0063, 6.1336



Tritanomaly

17.6306, 28.1328, 22.5901

Monochromacy



Original Color

14.8102, 29.2247, 6.1567



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.3055, 17.1324, 9.7322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8102, 29.2247, 6.1567 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, 171, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 31)  
}
```

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, 171, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 31) }
```

Border

The CSS property to change the border of an element to XYZ 14.8102, 29.2247, 6.1567 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, 171, 31) }
```


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

```
.border{ border-color:rgb(0, 171, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8102, 29.2247, 6.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 31) }
```

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

```
.background{ background-color: rgb(0, 171,  
31) }
```

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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