

Converting Colors

XYZ(14.0713, 28.1248, 4.6875)

Have a look what the booklet for
XYZ(14.0713, 28.1248, 4.6875)
contains.

XYZ(14.0151, 28.0117, 4.6681)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.0151, 28.0117,
4.6681)**

Conversions

Conversions Part 1

Format	Color
Hex	01A800
RGB	1, 168, 0
RGB Percent	0%, 66%, 0%
CMY	0.9961, 0.3412, 0.9999
CMYK	0.99, 0.00, 1.00, 0.34
HSL	120°, 100%, 33%
HSV	120°, 100%, 66%
XYZ	14.0151, 28.0117, 4.6681
YIQ	98.9150, -45.6040, -87.6520

Conversions

Conversions Part 2

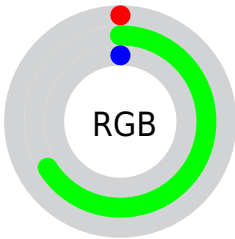
Format	Color
RYB	0, 168, 167
Decimal	108544
CIELab	59.90, -63.00, 60.86
CIELCh	60, 87.596, 135.988
Yxy	28.0117, 0.3001, 0.5999
Android (android.graphics.Color)	4278298624 (0xFF01A800)
YUV	98.9150, -48.7651, -85.8715
Hunter-Lab	52.9261, -45.3529, 31.8189

Details

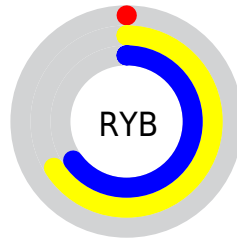
The XYZ color **14.0151, 28.0117, 4.6681** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.0092, 11.0454, 37.9666**, and the grayscale version is **11.9662, 12.5893, 13.7098**.

A 20% lighter version of the original color is **32.8471, 56.7644, 15.5287**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.0155, 28.0127, 4.6683**, and if you desaturate by 10%, it is **14.3468, 28.1720, 5.2043**.

Distribution



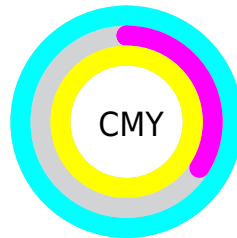
- Red (0%)
- Green (66%)
- Blue (0%)



- Red (0%)
- Yellow (66%)
- Blue (65%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.0151, 28.0117, 4.6681 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 14.0151, 28.0117, 4.6681 by changing the saturation by 10% instead.


 14.0151, 28.0117,
4.6681


 14.0151, 28.0117,
4.6681


210.8335,
292.5228, 155.3847


 8.2129, 18.3345,
1.9986


 32.7019, 56.5031,
15.5234


 4.2845, 11.1904,
0.5544


 46.3172, 76.0861,
24.5463

 1.8643, 6.1950,
0.0000

 63.2676, 99.7398,
36.5241

 0.5560, 2.9640,
0.0000

 83.9184, 127.8486,
51.8752


 0.0000, 1.1130,
0.0000


 108.6351,
160.7969, 71.0183


 0.0000, 0.0000,
0.0000


 137.7829,


198.9691, 94.3719


 171.7273,
242.7496, 122.3545


 14.0151, 28.0117,
4.6681


 14.0151, 28.0117,
4.6681


 14.0155, 28.0127,
4.6683

 14.3468, 28.1720,
5.2043

 14.9594, 28.4666,
6.1906

 15.9583, 28.9468,
7.8110

 17.3931, 29.6362,
10.1478

 19.3057, 30.5550,
13.2710

■ 21.7334, 31.7212,
17.2421

■ 24.7096, 33.1506,
22.1167

■ 28.2649, 34.8582,
27.9456

■ 32.4279, 36.8573,
34.7757

Harmonies

Analogous

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



21.1574, 28.0117, 1.3820



14.0151, 28.0117, 4.6681



10.7981, 28.0117, 17.9441

Triad

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



14.0151, 28.0117, 4.6681



21.7747, 28.0117, 136.8769



52.9290, 28.0117, 16.5489

Complementary

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



14.0151, 28.0117, 4.6681



23.0092, 11.0454, 37.9666

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.



53.2315, 28.0117, 47.8627



14.0151, 28.0117, 4.6681



32.9601, 28.0117, 135.3944

Square

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



14.0151, 28.0117, 4.6681



14.3580, 28.0117, 99.1593



45.1572, 28.0117, 95.9164



44.4193, 28.0117, 4.2535

Rectangle

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



14.0151, 28.0117, 4.6681



10.5159, 28.0117, 37.3464



45.1572, 28.0117, 95.9164



54.0605, 28.0117, 24.5460

Sweetspot

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



14.0157, 28.0129, 4.6687



44.5082, 59.9962, 39.5929



29.6410, 35.3089, 5.2535



9.2045, 12.8382, 7.8164



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.0157, 28.0129, 4.6687



25.4259, 50.8280, 8.4707



15.4964, 28.6037, 12.5300



7.4407, 8.4098, 8.0204



10.5850, 21.1540, 3.5252



0.2588, 0.5153, 0.0858

Inverse Universe

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



23.0092, 11.0454, 37.9666



41.7447, 20.0386, 68.8927



17.8617, 9.0105, 9.7736



7.8375, 7.6644, 9.4846



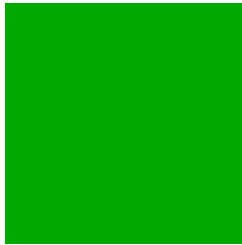
17.3764, 8.3413, 28.6697



0.4241, 0.2036, 0.6976

Previews

White Background



This preview shows how the XYZ color 14.0151, 28.0117, 4.6681 looks on a white background.

Color Contrast Check

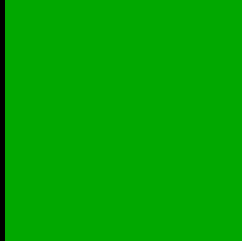
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0151, 28.0117, 4.6681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

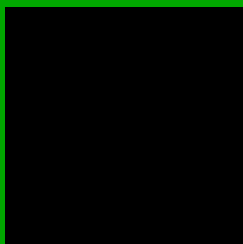
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.0151, 28.0117, 4.6681

Background



This preview shows how black text looks on a background with the XYZ color 14.0151, 28.0117, 4.6681.



This preview shows how white text looks on a background with the XYZ color 14.0151, 28.0117,

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

14.0151, 28.0117, 4.6681

Protanopia

24.8736, 27.6279, 4.0217

Deuteranopia

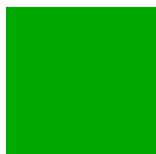
27.9450, 27.4390, 5.4925



Tritanopia

21.6484, 27.9811, 41.7960

Trichromacy



Original Color

14.0151, 28.0117, 4.6681



Protanomaly

16.9848, 25.6660, 4.0588



Deuteranomaly

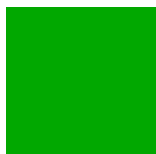
17.8148, 24.8865, 4.6752



Tritanomaly

16.4043, 26.8052, 18.4967

Monochromacy



Original Color

14.0151, 28.0117, 4.6681



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.1548, 15.8309, 7.2231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0151, 28.0117, 4.6681 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(1, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 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(1, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.0151, 28.0117, 4.6681 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(1, 168, 0) }
```


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

```
.border{ border-color:rgb(1, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 168, 0); box-shadow:4px  
4px 4px 4px rgb(1, 168, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0151, 28.0117, 4.6681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 0) }
```

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

```
.background{ background-color: rgb(1, 168,  
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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