

Converting Colors

XYZ(14.5319, 28.9582, 4.8236)

Have a look what the booklet for
XYZ(14.5319, 28.9582, 4.8236)
contains.

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Color

**XYZ(14.4498, 28.7882,
4.7951)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 06AA00 |
| RGB | 6, 170, 0 |
| RGB Percent | 2%, 67%, 0% |
| CMY | 0.9765, 0.3333, 0.9999 |
| CMYK | 0.96, 0.00, 1.00, 0.33 |
| HSL | 118°, 100%, 33% |
| HSV | 118°, 100%, 67% |
| XYZ | 14.4498, 28.7882, 4.7951 |
| YIQ | 101.5840, -43.1740, -87.6380 |

Conversions

Conversions Part 2

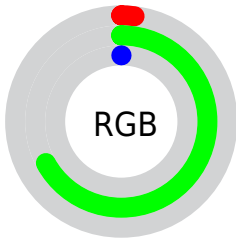
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 0, 170, 164 |
| Decimal | 436736 |
| CIE _{Lab} | 60.59, -63.29, 61.43 |
| CIE _{LCh} | 61, 88.202, 135.854 |
| Yxy | 28.7882, 0.3008, 0.5993 |
| Android (android.graphics.Color) | 4278626816 (0xFF06AA00) |
| YUV | 101.5840, -50.0809, -83.8272 |
| Hunter-Lab | 53.6546, -45.8235, 32.2595 |

Details

The XYZ color **14.4498, 28.7882, 4.7951** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.5710, 10.7978, 38.9264**, and the grayscale version is **12.6558, 13.3149, 14.5000**.

A 20% lighter version of the original color is **33.5290, 57.9194, 15.8910**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **14.4502, 28.7893, 4.7953**, and if you desaturate by 10%, it is **14.8163, 28.9663, 5.3411**.

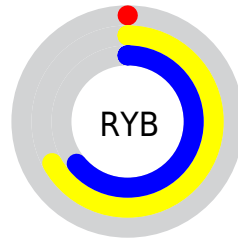
Distribution



Red (2%)

Green (67%)

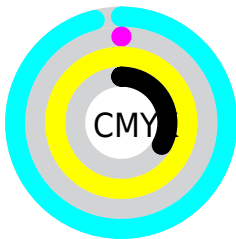
Blue (0%)



Red (0%)

Yellow (67%)

Blue (64%)

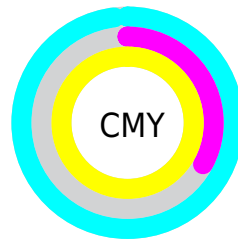


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (98%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.4498, 28.7882, 4.7951 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 14.4498, 28.7882, 4.7951 by changing the saturation by 10% instead.


 14.4498, 28.7882,
4.7951


 14.4498, 28.7882,
4.7951


213.4665,
296.2143, 156.6907


 8.5180, 18.9207,
2.0709


 33.4647, 57.7404,
15.8055


 4.4827, 11.6130,
0.5984


 47.2784, 77.5939,
24.9289


 1.9787, 6.4807,
0.0000


 64.4502, 101.5447,
37.0224

 0.6219, 3.1395,
0.0000

 85.3453, 129.9774,
52.5045

 0.0000, 1.2050,
0.0000

 110.3291,
163.2763, 71.7939


 0.0000, 0.0658,
0.0000


 139.7670,


 0.0000, 0.0000,


201.8259, 95.3090


0.0000


 174.0243,
246.0104, 123.4685


 14.4498, 28.7882,
4.7951


 14.4498, 28.7882,
4.7951


 14.4502, 28.7893,
4.7953

 14.8163, 28.9663,
5.3411

 15.4934, 29.2937,
6.3523

 16.5599, 29.8078,
8.0146

 18.0623, 30.5308,
10.4126

 20.0409, 31.4819,
13.6183

■ 22.5310, 32.6779,
17.6950

■ 25.5650, 34.1344,
22.6997

■ 29.1722, 35.8652,
28.6846

■ 33.3802, 37.8836,
35.6981

Harmonies

Analogous

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



21.7978, 28.7882, 1.4323



14.4498, 28.7882, 4.7951



11.1303, 28.7882, 18.3654

Triad

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



14.4498, 28.7882, 4.7951



22.3451, 28.7882, 140.2055



54.3443, 28.7882, 17.1275

Complementary

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



14.4498, 28.7882, 4.7951



22.5710, 10.7978, 38.9264

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.



54.6122, 28.7882, 49.3363



14.4498, 28.7882, 4.7951



33.8014, 28.7882, 138.8936

Square

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



14.4498, 28.7882, 4.7951



14.7540, 28.7882, 101.4639



46.3084, 28.7882, 98.5933



45.6548, 28.7882, 4.4262

Rectangle

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



14.4498, 28.7882, 4.7951



10.8307, 28.7882, 38.1981



46.3084, 28.7882, 98.5933



55.4897, 28.7882, 25.3657

Sweetspot

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



14.4505, 28.7894, 4.7957



46.0517, 61.7716, 40.6363



29.4115, 34.2127, 5.0540



9.7447, 13.5233, 8.1948



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.



14.4505, 28.7894, 4.7957



26.1791, 52.2133, 8.6984



15.6979, 29.2797, 11.7550



7.4602, 8.4199, 8.0213



10.6393, 21.1820, 3.5278



0.2663, 0.5192, 0.0862

Inverse Universe

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



22.5710, 10.7978, 38.9264



40.9099, 19.5691, 70.6229



18.5769, 9.3461, 11.2994



7.8154, 7.6530, 9.4836



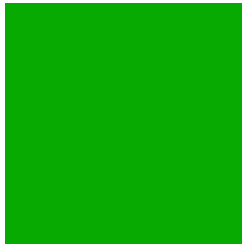
16.6128, 7.9477, 28.6339



0.4119, 0.1974, 0.6970

Previews

White Background



This preview shows how the XYZ color 14.4498, 28.7882, 4.7951 looks on a white background.

Color Contrast Check

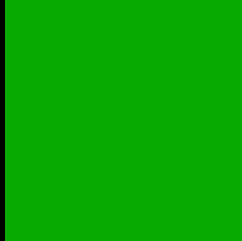
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4498, 28.7882, 4.7951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

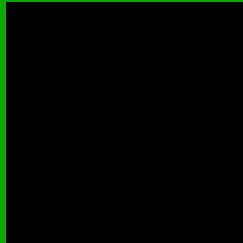
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4498, 28.7882, 4.7951

Background



This preview shows how black text looks on a background with the XYZ color 14.4498, 28.7882, 4.7951.



This preview shows how white text looks on a background with the XYZ color 14.4498, 28.7882,

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

14.4498, 28.7882, 4.7951

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

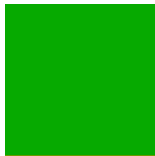
28.7138, 28.2556, 5.6908



Tritanopia

22.1761, 28.7336, 42.9054

Trichromacy



Original Color

14.4498, 28.7882, 4.7951



Protanomaly

17.7847, 26.5685, 4.1909



Deuteranomaly

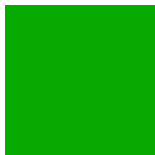
18.5424, 25.7302, 4.8533



Tritanomaly

16.8529, 27.5491, 18.8973

Monochromacy



Original Color

14.4498, 28.7882, 4.7951



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

10.8582, 16.7537, 7.6625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4498, 28.7882, 4.7951 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(6, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(6, 170, 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(6, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.4498, 28.7882, 4.7951 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(6, 170, 0) }
```


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

```
.border{ border-color:rgb(6, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 170, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 170, 0); box-shadow:4px  
4px 4px 4px rgb(6, 170, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4498, 28.7882, 4.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 170, 0) }
```

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

```
.background{ background-color: rgb(6, 170,  
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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