

Converting Colors

XYZ(11.4836, 27.4320, 3.0636)

Have a look what the booklet for
XYZ(11.4836, 27.4320, 3.0636)
contains.

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Color

**XYZ(14.3747, 28.7495,
4.7916)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 00AA00 |
| RGB | 0, 170, 0 |
| RGB Percent | 0%, 67%, 0% |
| CMY | 1.0000, 0.3333, 0.9999 |
| CMYK | 1.00, 0.00, 1.00, 0.33 |
| HSL | 120°, 100%, 33% |
| HSV | 120°, 100%, 67% |
| XYZ | 14.3747, 28.7495, 4.7916 |
| YIQ | 99.7900, -46.7500, -88.9100 |

Conversions

Conversions Part 2

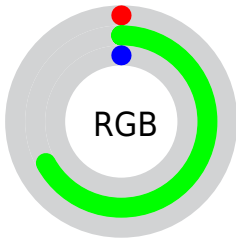
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 170, 170 |
| Decimal | 43520 |
| CIELab | 60.56, -63.61, 61.39 |
| CIELCh | 61, 88.399, 136.016 |
| Yxy | 28.7495, 0.3000, 0.6000 |
| Android (android.graphics.Color) | 4278233600 (0xFF00AA00) |
| YUV | 99.7900, -49.1965, -87.5158 |
| Hunter-Lab | 53.6186, -45.9781, 32.2346 |

Details

The XYZ color **14.3747, 28.7495, 4.7916** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.8328, 11.4482, 38.9774**, and the grayscale version is **12.1905, 12.8254, 13.9669**.

A 20% lighter version of the original color is **33.4244, 57.8655, 15.8861**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **14.3754, 28.7507, 4.7923**, and if you desaturate by 10%, it is **14.7078, 28.9104, 5.3360**.

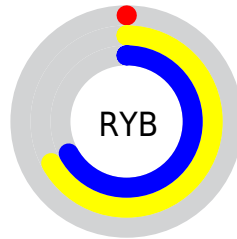
Distribution



Red (0%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (67%)

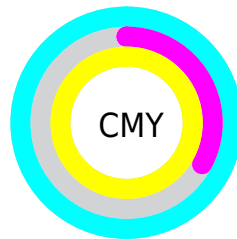


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (100%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.3747, 28.7495, 4.7916 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 14.3747, 28.7495, 4.7916 by changing the saturation by 10% instead.


 14.3747, 28.7495,
4.7916


 14.3747, 28.7495,
4.7916


213.0138,
296.0312, 156.6550


 8.4652, 18.8914,
2.0689


 33.3332, 57.6789,
15.7978


 4.4483, 11.5918,
0.5972


 47.1128, 77.5189,
24.9184


 1.9588, 6.4664,
0.0000


 64.2465, 101.4550,
37.0087

 0.6106, 3.1307,
0.0000

 85.0997, 129.8717,
52.4873

 0.0000, 1.2003,
0.0000

 110.0376,
163.1532, 71.7726


 0.0000, 0.0620,
0.0000


 139.4258,


 0.0000, 0.0000,


201.6841, 95.2834


0.0000


 173.6294,
245.8486, 123.4379


 14.3747, 28.7495,
4.7916


 14.3747, 28.7495,
4.7916


 14.3754, 28.7507,
4.7923

 14.7078, 28.9104,
5.3360

 15.3240, 29.2064,
6.3441

 16.3385, 29.6937,
8.0037

 17.8031, 30.3972,
10.3995

 19.7619, 31.3381,
13.6037

■ 22.2538, 32.5351,
17.6796

■ 25.3136, 34.0049,
22.6845

■ 28.9735, 35.7629,
28.6706

■ 33.2629, 37.8233,
35.6865

Harmonies

Analogous

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



21.7035, 28.7495, 1.4160



14.3747, 28.7495, 4.7916



11.0758, 28.7495, 18.4326

Triad

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



14.3747, 28.7495, 4.7916



22.3551, 28.7495, 140.5783



54.3338, 28.7495, 16.9600

Complementary

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



14.3747, 28.7495, 4.7916



23.8328, 11.4482, 38.9774

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.



54.6532, 28.7495, 49.0928



14.3747, 28.7495, 4.7916



33.8432, 28.7495, 139.0127

Square

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



14.3747, 28.7495, 4.7916



14.7366, 28.7495, 101.8631



46.3674, 28.7495, 98.4387



45.5883, 28.7495, 4.3543

Rectangle

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



14.3747, 28.7495, 4.7916



10.7881, 28.7495, 38.3683



46.3674, 28.7495, 98.4387



55.4986, 28.7495, 25.1637

Sweetspot

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



14.3754, 28.7507, 4.7923



45.5975, 61.5374, 40.6179



30.9536, 37.2971, 5.5676



9.6380, 13.4683, 8.1904



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.



14.3754, 28.7507, 4.7923



26.0816, 52.1630, 8.6944



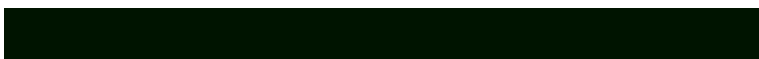
16.0151, 29.4066, 13.4266



7.4368, 8.4078, 8.0203



10.5743, 21.1485, 3.5252



0.2573, 0.5145, 0.0858

Inverse Universe

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



23.8328, 11.4482, 38.9774



43.2401, 20.7707, 70.7171



18.2180, 9.2023, 9.4107



7.8419, 7.6666, 9.4847



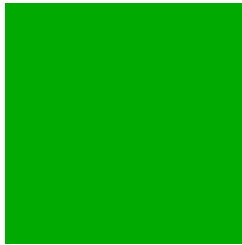
17.5309, 8.4211, 28.6711



0.4265, 0.2049, 0.6976

Previews

White Background



This preview shows how the XYZ color 14.3747, 28.7495, 4.7916 looks on a white background.

Color Contrast Check

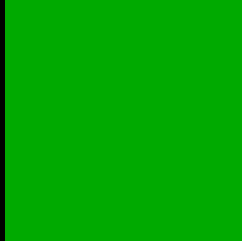
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3747, 28.7495, 4.7916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

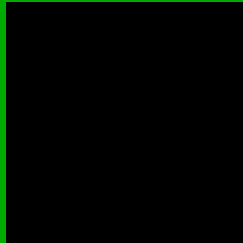
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.3747, 28.7495, 4.7916

Background



This preview shows how black text looks on a background with the XYZ color 14.3747, 28.7495, 4.7916.



This preview shows how white text looks on a background with the XYZ color 14.3747, 28.7495,

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

14.3747, 28.7495, 4.7916

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

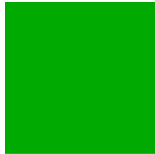
28.7138, 28.2556, 5.6908



Tritanopia

22.1761, 28.7336, 42.9054

Trichromacy



Original Color

14.3747, 28.7495, 4.7916



Protanomaly

17.4303, 26.3857, 4.1743



Deuteranomaly

18.2737, 25.5916, 4.8407



Tritanomaly

16.7628, 27.5027, 18.8931

Monochromacy



Original Color

14.3747, 28.7495, 4.7916



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.3734, 16.1274, 7.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3747, 28.7495, 4.7916 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, 170, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 14.3747, 28.7495, 4.7916 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, 170, 0) }
```


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

```
.border{ border-color:rgb(0, 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(0, 170, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 14.3747, 28.7495, 4.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(0, 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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