

Converting Colors

XYZ(13.5327, 27.0394, 4.5907)

Have a look what the booklet for
XYZ(13.5327, 27.0394, 4.5907)
contains.

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Color

**XYZ(13.4716, 26.9168,
4.5716)**

Conversions

Conversions Part 1

Format	Color
Hex	00A503
RGB	0, 165, 3
RGB Percent	0%, 65%, 1%
CMY	1.0000, 0.3529, 0.9882
CMYK	1.00, 0.00, 0.98, 0.35
HSL	121°, 100%, 32%
HSV	121°, 100%, 65%
XYZ	13.4716, 26.9168, 4.5716
YIQ	97.1970, -46.3380, -85.3620

Conversions

Conversions Part 2

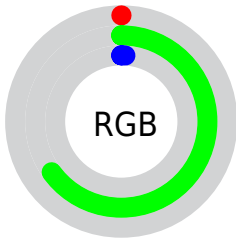
Format	Color
RYB	0, 162, 165
Decimal	42243
CIELab	58.90, -62.14, 59.62
CIELCh	59, 86.115, 136.185
Yxy	26.9168, 0.2996, 0.5987
Android (android.graphics.Color)	4278232323 (0xFF00A503)
YUV	97.1970, -46.4391, -85.2418
Hunter-Lab	51.8814, -44.4429, 31.0926

Details

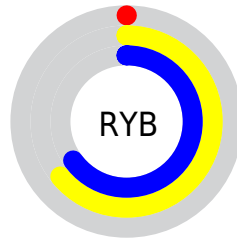
The XYZ color **13.4716, 26.9168, 4.5716** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.0386, 10.6081, 35.0651**, and the grayscale version is **11.5311, 12.1316, 13.2113**.

A 20% lighter version of the original color is **31.7086, 54.5870, 15.3437**, and **5.6844, 11.3689, 1.8948** is the 20% darker color. If you saturate the color by 10%, you get **13.4721, 26.9179, 4.5721**, and if you desaturate by 10%, it is **13.7974, 27.0737, 5.1243**.

Distribution



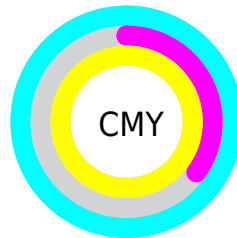
- Red (0%)
- Green (65%)
- Blue (1%)



- Red (0%)
- Yellow (64%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4716, 26.9168, 4.5716 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 13.4716, 26.9168, 4.5716 by changing the saturation by 10% instead.


 13.4716, 26.9168,
4.5716


 13.4716, 26.9168,
4.5716


207.4955,
287.2541, 154.3813


 7.8333, 17.5107,
1.9439


 31.7426, 54.7503,
15.3079


 4.0394, 10.5993,
0.5204


 45.1061, 73.9466,
24.2537

 1.7244, 5.7981,
0.0000

 61.7753, 97.1751,
36.1424

 0.4715, 2.7227,
0.0000

 82.1157, 124.8201,
51.3928

 0.0000, 0.9887,
0.0000


 106.4925,
157.2661, 70.4234


 0.0000, 0.0000,
0.0000


 135.2712,


194.8975, 93.6526


 168.8170,
238.0987, 121.4991


 13.4716, 26.9168,
4.5716

 13.4716, 26.9168,
4.5716


 13.4721, 26.9179,
4.5721

 13.7974, 27.0737,
5.1243

 14.3926, 27.3585,
6.1447

 15.3580, 27.8214,
7.7639

 16.7405, 28.4848,
10.0547

 18.5802, 29.3682,
13.0792

■ 20.9125, 30.4885,
16.8929

■ 23.7691, 31.8611,
21.5454

■ 27.1792, 33.5001,
27.0828

■ 31.1700, 35.4185,
33.5474

Harmonies

Analogous

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



20.2906, 26.9168, 1.3624



13.4716, 26.9168, 4.5716



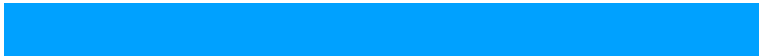
10.4078, 26.9168, 17.4182

Triad

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



13.4716, 26.9168, 4.5716



20.9997, 26.9168, 131.0765



50.7124, 26.9168, 15.8138

Complementary

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



13.4716, 26.9168, 4.5716



22.0386, 10.6081, 35.0651

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.



51.0591, 26.9168, 45.6563



13.4716, 26.9168, 4.5716



31.7253, 26.9168, 129.3796

Square

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



13.4716, 26.9168, 4.5716



13.8659, 26.9168, 95.2419



43.3827, 26.9168, 91.5280



42.5366, 26.9168, 4.0924

Rectangle

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



13.4716, 26.9168, 4.5716



10.1502, 26.9168, 36.0901



43.3827, 26.9168, 91.5280



51.8126, 26.9168, 23.4334

Sweetspot

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



13.4722, 26.9179, 4.5722



42.2589, 56.9108, 38.0836



28.4074, 34.6192, 5.1851



8.7720, 12.2176, 7.5665



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.4722, 26.9179, 4.5722



24.1186, 48.2030, 8.1451



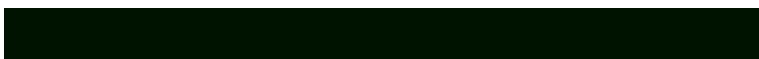
15.1055, 27.5712, 13.1730



6.9905, 7.8970, 7.5620



10.1935, 20.3637, 3.4695



0.2157, 0.4285, 0.0807

Inverse Universe

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



22.0386, 10.6081, 35.0651



39.4593, 18.9940, 62.7505



16.9566, 8.5753, 8.3034



7.3587, 7.1999, 8.8755



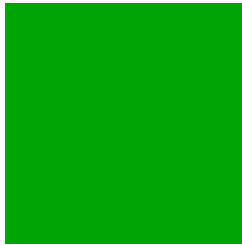
16.6739, 8.0256, 26.5373



0.3520, 0.1693, 0.5662

Previews

White Background



This preview shows how the XYZ color 13.4716, 26.9168, 4.5716 looks on a white background.

Color Contrast Check

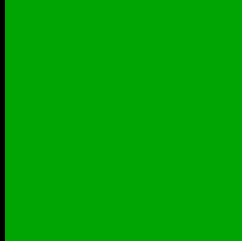
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4716, 26.9168, 4.5716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

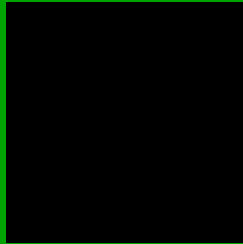
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.4716, 26.9168, 4.5716

Background



This preview shows how black text looks on a background with the XYZ color 13.4716, 26.9168, 4.5716.



This preview shows how white text looks on a background with the XYZ color 13.4716, 26.9168,

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

13.4716, 26.9168, 4.5716

Protanopia

23.8230, 26.4207, 3.8441

Deuteranopia

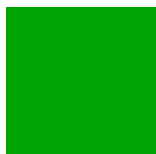
26.9750, 26.5247, 5.3671



Tritanopia

20.7284, 26.8008, 40.1570

Trichromacy



Original Color

13.4716, 26.9168, 4.5716



Protanomaly

16.2787, 24.5816, 3.9155



Deuteranomaly

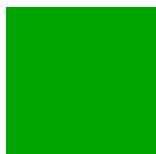
17.1003, 23.8275, 4.5620



Tritanomaly

15.7495, 25.7110, 18.0425

Monochromacy



Original Color

13.4716, 26.9168, 4.5716



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.8433, 15.3021, 7.1374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4716, 26.9168, 4.5716 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, 165, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 3)  
}
```

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, 165, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 3) }
```

Border

The CSS property to change the border of an element to XYZ 13.4716, 26.9168, 4.5716 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, 165, 3) }
```


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

```
.border{ border-color:rgb(0, 165, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 165, 3); box-shadow:4px  
4px 4px 4px rgb(0, 165, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4716, 26.9168, 4.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 3) }
```

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

```
.background{ background-color: rgb(0, 165,  
3) }
```

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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