

Converting Colors

XYZ(10.3257, 25.2584, 2.4301)

Have a look what the booklet for
XYZ(10.3257, 25.2584, 2.4301)
contains.

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Color

**XYZ(13.4551, 26.9103,
4.4850)**

Conversions

Conversions Part 1

Format	Color
Hex	00A500
RGB	0, 165, 0
RGB Percent	0%, 65%, 0%
CMY	1.0000, 0.3529, 0.9999
CMYK	1.00, 0.00, 1.00, 0.35
HSL	120°, 100%, 32%
HSV	120°, 100%, 65%
XYZ	13.4551, 26.9103, 4.4850
YIQ	96.8550, -45.3750, -86.2950

Conversions

Conversions Part 2

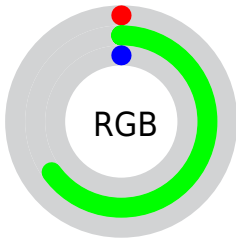
Format	Color
RYB	0, 165, 165
Decimal	42240
CIELab	58.89, -62.22, 60.05
CIELCh	59, 86.473, 136.016
Yxy	26.9103, 0.3000, 0.6000
Android (android.graphics.Color)	4278232320 (0xFF00A500)
YUV	96.8550, -47.7495, -84.9418
Hunter-Lab	51.8751, -44.4831, 31.1865

Details

The XYZ color **13.4551, 26.9103, 4.4850** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.3084, 10.7159, 36.4853**, and the grayscale version is **11.4491, 12.0453, 13.1174**.

A 20% lighter version of the original color is **31.6751, 54.5736, 15.1676**, and **5.6844, 11.3689, 1.8948** is the 20% darker color. If you saturate the color by 10%, you get **13.4558, 26.9114, 4.4856**, and if you desaturate by 10%, it is **13.7754, 27.0650, 5.0085**.

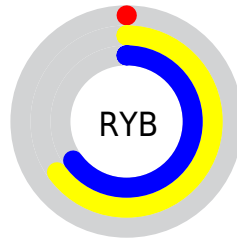
Distribution



Red (0%)

Green (65%)

Blue (0%)



Red (0%)

Yellow (65%)

Blue (65%)

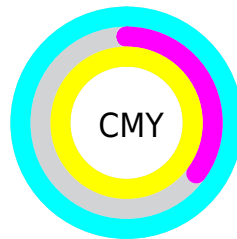


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (100%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4551, 26.9103, 4.4850 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 13.4551, 26.9103, 4.4850 by changing the saturation by 10% instead.


 13.4551, 26.9103,
4.4850


 13.4551, 26.9103,
4.4850


207.3933,
287.2225, 153.4726


 7.8218, 17.5059,
1.8950


 31.7134, 54.7399,
15.1137


 4.0320, 10.5958,
0.4896


 45.0692, 73.9338,
23.9895

 1.7202, 5.7958,
0.0000

 61.7298, 97.1598,
35.7977

 0.4689, 2.7213,
0.0000

 82.0606, 124.8020,
50.9567


 0.0000, 0.9880,
0.0000


 106.4270,
157.2450, 69.8852


 0.0000, 0.0000,
0.0000


 135.1944,


194.8732, 93.0016


 168.7280,
238.0709, 120.7246


 13.4551, 26.9103,
4.4850


 13.4551, 26.9103,
4.4850

 13.4558, 26.9114,
4.4856

 13.7754, 27.0650,
5.0085

 14.3576, 27.3446,
5.9610

 15.3118, 27.8030,
7.5220

 16.6862, 28.4632,
9.7701

 18.5216, 29.3448,
12.7723

■ 20.8540, 30.4652,
16.5874

■ 23.7159, 31.8399,
21.2685

■ 27.1370, 33.4832,
26.8643

■ 31.1449, 35.4084,
33.4197

Harmonies

Analogous

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



20.3151, 26.9103, 1.3254



13.4551, 26.9103, 4.4850



10.3672, 26.9103, 17.2533

Triad

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



13.4551, 26.9103, 4.4850



20.9249, 26.9103, 131.5854



50.8580, 26.9103, 15.8751

Complementary

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



13.4551, 26.9103, 4.4850



22.3084, 10.7159, 36.4853

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.



51.1569, 26.9103, 45.9524



13.4551, 26.9103, 4.4850



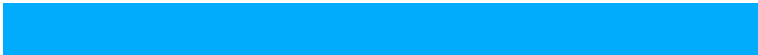
31.6781, 26.9103, 130.1202

Square

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



13.4551, 26.9103, 4.4850



13.7938, 26.9103, 95.3466



43.4012, 26.9103, 92.1417



42.6720, 26.9103, 4.0757

Rectangle

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



13.4551, 26.9103, 4.4850



10.0979, 26.9103, 35.9136



43.4012, 26.9103, 92.1417



51.9483, 26.9103, 23.5540

Sweetspot

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



13.4558, 26.9114, 4.4856



42.1644, 56.8730, 37.5863



28.9734, 34.9111, 5.2115



8.7503, 12.2089, 7.4521



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.



13.4558, 26.9114, 4.4856



24.0973, 48.1945, 8.0329



14.9979, 27.5283, 12.6061



6.9856, 7.8951, 7.5359



10.1790, 20.3580, 3.3933



0.2139, 0.4278, 0.0713

Inverse Universe

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



22.3084, 10.7159, 36.4853



39.9510, 19.1907, 65.3396



17.0599, 8.6165, 8.8471



7.3643, 7.2022, 8.9050



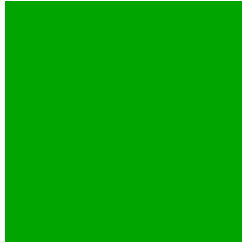
16.8758, 8.1064, 27.6004



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 13.4551, 26.9103, 4.4850 looks on a white background.

Color Contrast Check

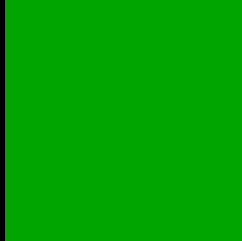
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4551, 26.9103, 4.4850 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 13.4551, 26.9103, 4.4850

Background



This preview shows how black text looks on a background with the XYZ color 13.4551, 26.9103, 4.4850.



This preview shows how white text looks on a background with the XYZ color 13.4551, 26.9103,

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

13.4551, 26.9103, 4.4850

Protanopia

23.8230, 26.4207, 3.8441

Deuteranopia

26.9750, 26.5247, 5.3671



Tritanopia

20.7284, 26.8008, 40.1570

Trichromacy



Original Color

13.4551, 26.9103, 4.4850



Protanomaly

16.2732, 24.5794, 3.8866



Deuteranomaly

17.0901, 23.8234, 4.5082



Tritanomaly

15.6972, 25.6900, 17.7670

Monochromacy



Original Color

13.4551, 26.9103, 4.4850



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.8156, 15.2910, 6.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4551, 26.9103, 4.4850 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 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, 165, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 13.4551, 26.9103, 4.4850 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, 0) }
```


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

```
.border{ border-color:rgb(0, 165, 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, 165, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 13.4551, 26.9103, 4.4850 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, 0) }
```

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

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