

Converting Colors

XYZ(14.5293, 27.5570, 9.4722)

Have a look what the booklet for
XYZ(14.5293, 27.5570, 9.4722)
contains.

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Color

**XYZ(14.5616, 27.6426,
9.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	00A640
RGB	0, 166, 64
RGB Percent	0%, 65%, 25%
CMY	1.0000, 0.3490, 0.7490
CMYK	1.00, 0.00, 0.61, 0.35
HSL	143°, 100%, 33%
HSV	143°, 100%, 65%
XYZ	14.5616, 27.6426, 9.4186
YIQ	104.7380, -66.1940, -66.9140

Conversions

Conversions Part 2

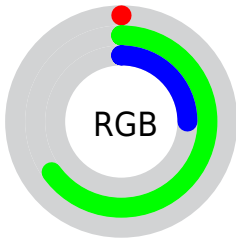
Format	Color
RYB	0, 120, 166
Decimal	42560
CIELab	59.56, -58.17, 41.83
CIELCh	60, 71.646, 144.277
Yxy	27.6426, 0.2821, 0.5355
Android (android.graphics.Color)	4278232640 (0xFF00A640)
YUV	104.7380, -20.0838, -91.8552
Hunter-Lab	52.5762, -42.5707, 26.1820

Details

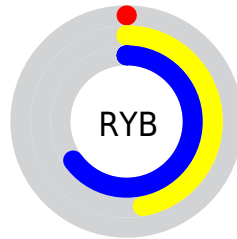
The XYZ color **14.5616, 27.6426, 9.4186** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.1248, 9.0666, 13.3651**, and the grayscale version is **13.4222, 14.1212, 15.3780**.

A 20% lighter version of the original color is **33.5302, 55.7045, 25.2045**, and **5.8435, 11.6081, 2.1910** is the 20% darker color. If you saturate the color by 10%, you get **14.5623, 27.6437, 9.4192**, and if you desaturate by 10%, it is **15.1037, 27.8862, 11.1010**.

Distribution



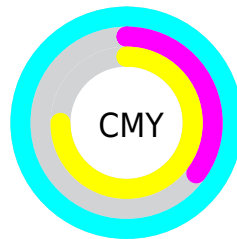
- Red (0%)
- Green (65%)
- Blue (25%)



- Red (0%)
- Yellow (47%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5616, 27.6426, 9.4186 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 14.5616, 27.6426, 9.4186 by changing the saturation by 10% instead.


 14.5616, 27.6426,
9.4186


 14.5616, 27.6426,
9.4186


214.1385,
290.7552, 196.8023


 8.5966, 18.0564,
4.9147


 33.6602, 55.9133,
25.2865


 4.5340, 10.9905,
2.1394


 47.5246, 75.3667,
37.4876


 2.0084, 6.0605,
0.6391

 64.7528, 98.8778,
53.0916

 0.6387, 2.8819,
0.0000

 85.7101, 126.8313,
72.5168

 0.0000, 1.0704,
0.0000

 110.7620,
159.6113, 96.1820

 0.0000, 0.0000,
0.0000

 140.2738,

197.6024, 124.5056

174.6109,
241.1889, 157.9062

■ 14.5616, 27.6426,
9.4186

■ 14.5616, 27.6426,
9.4186

■ 14.5623, 27.6437,
9.4192

■ 15.1037, 27.8862,
11.1010

■ 15.8865, 28.2466,
13.0854

■ 16.9899, 28.7656,
15.3890

■ 18.4504, 29.4616,
18.0258

■ 20.2989, 30.3505,
21.0090

■ 22.5630, 31.4461,
24.3506

■ 25.2677, 32.7610,
28.0625

■ 28.4359, 34.3070,
32.1557

■ 32.0889, 36.0947,
36.6408

Harmonies

Analogous

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



19.7702, 27.6426, 3.7331



14.5616, 27.6426, 9.4186



12.5222, 27.6426, 25.4130

Triad

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



14.5616, 27.6426, 9.4186



24.5821, 27.6426, 111.4719



45.4594, 27.6426, 13.9506

Complementary

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



14.5616, 27.6426, 9.4186



18.1248, 9.0666, 13.3651

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.



47.5766, 27.6426, 35.3263



14.5616, 27.6426, 9.4186



34.0661, 27.6426, 101.8445

Square

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



14.5616, 27.6426, 9.4186



17.3948, 27.6426, 91.0867



43.0128, 27.6426, 69.3954



37.7525, 27.6426, 5.1050

Rectangle

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



14.5616, 27.6426, 9.4186



12.7982, 27.6426, 44.0792



43.0128, 27.6426, 69.3954



46.9126, 27.6426, 19.4383

Sweetspot

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



14.5623, 27.6437, 9.4192



45.5614, 59.3120, 50.5353



19.1581, 30.1199, 4.8040



9.7322, 13.0473, 10.6824



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.



14.5623, 27.6437, 9.4192



26.3319, 50.1303, 16.5875



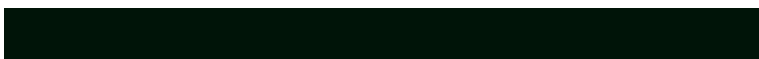
18.8747, 29.3687, 32.1282



7.5520, 8.4538, 8.6269



11.3133, 21.4441, 7.4168



0.3004, 0.5318, 0.3127

Inverse Universe

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



18.1248, 9.0666, 13.3651



32.7872, 16.4119, 23.6957



15.8472, 8.1556, 1.3716



7.7175, 7.6169, 8.8295



14.0777, 7.0398, 10.4865



0.3664, 0.1808, 0.3808

Previews

White Background



This preview shows how the XYZ color 14.5616, 27.6426, 9.4186 looks on a white background.

Color Contrast Check

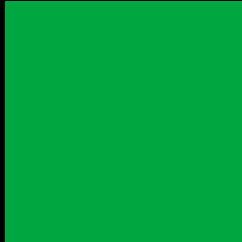
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5616, 27.6426, 9.4186 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 14.5616, 27.6426, 9.4186

Background



This preview shows how black text looks on a background with the XYZ color 14.5616, 27.6426, 9.4186.



This preview shows how white text looks on a background with the XYZ color 14.5616, 27.6426,

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

14.5616, 27.6426, 9.4186

Protanopia

24.8591, 27.3113, 7.8323

Deuteranopia

27.6860, 27.2033, 10.0949



Tritanopia

21.2031, 27.7623, 41.2869

Trichromacy



Original Color

14.5616, 27.6426, 9.4186



Protanomaly

17.2490, 25.2262, 8.2350



Deuteranomaly

18.0948, 24.6891, 9.6061



Tritanomaly

17.5549, 27.2456, 25.4528

Monochromacy



Original Color

14.5616, 27.6426, 9.4186



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7496, 17.1102, 12.3562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5616, 27.6426, 9.4186 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, 166, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 64)  
}
```

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, 166, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 64) }
```

Border

The CSS property to change the border of an element to XYZ 14.5616, 27.6426, 9.4186 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, 166, 64) }
```


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

```
.border{ border-color:rgb(0, 166, 64) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5616, 27.6426, 9.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 64) }
```

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

```
.background{ background-color: rgb(0, 166,  
64) }
```

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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