

Converting Colors

XYZ(15.4000, 28.6529, 11.7526)

Have a look what the booklet for
XYZ(15.4000, 28.6529, 11.7526)
contains.

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Color

**XYZ(15.3422, 28.5411,
11.7215)**

Conversions

Conversions Part 1

Format	Color
Hex	00A84D
RGB	0, 168, 77
RGB Percent	0%, 66%, 30%
CMY	1.0000, 0.3412, 0.6980
CMYK	1.00, 0.00, 0.54, 0.34
HSL	147°, 100%, 33%
HSV	147°, 100%, 66%
XYZ	15.3422, 28.5411, 11.7215
YIQ	107.3940, -70.9170, -63.9170

Conversions

Conversions Part 2

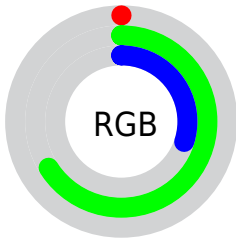
Format	Color
RYB	0, 115, 168
Decimal	43085
CIELab	60.37, -56.96, 36.54
CIELCh	60, 67.672, 147.321
Yxy	28.5411, 0.2759, 0.5133
Android (android.graphics.Color)	4278233165 (0xFF00A84D)
YUV	107.3940, -14.9842, -94.1845
Hunter-Lab	53.4239, -42.2304, 24.3881

Details

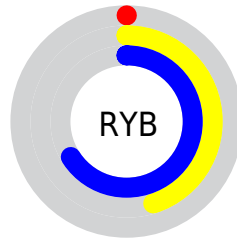
The XYZ color **15.3422, 28.5411, 11.7215** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.0378, 9.0808, 10.7014**, and the grayscale version is **14.1402, 14.8765, 16.2006**.

A 20% lighter version of the original color is **34.8663, 57.0940, 29.6047**, and **6.2269, 12.1185, 3.1095** is the 20% darker color. If you saturate the color by 10%, you get **15.3427, 28.5422, 11.7214**, and if you desaturate by 10%, it is **15.9148, 28.7973, 13.5455**.

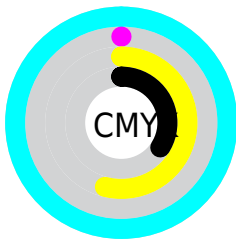
Distribution



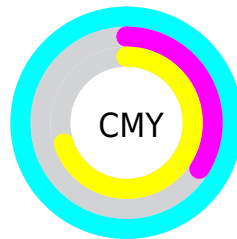
- Red (0%)
- Green (66%)
- Blue (30%)



- Red (0%)
- Yellow (45%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3422, 28.5411, 11.7215 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 15.3422, 28.5411, 11.7215 by changing the saturation by 10% instead.


 15.3422, 28.5411,
11.7215


 15.3422, 28.5411,
11.7215


218.7758,
295.0435, 213.4648


 9.1478, 18.7339,
6.4341


 35.0191, 57.3472,
29.6436


 4.8956, 11.4782,
3.0378


 49.2324, 77.1149,
43.1154


 2.2203, 6.3894,
1.1140


 66.8492, 100.9716,
60.1525

 0.7534, 3.0833,
0.0000

 88.2351, 129.3017,
81.1732

 0.0000, 1.1754,
0.0000

 113.7554,
162.4895, 106.5963

 0.0000, 0.0415,
0.0000

 143.7753,

 0.0000, 0.0000,

200.9195, 136.8403

0.0000

178.6603,
244.9760, 172.3236

■ 15.3422, 28.5411,
11.7215

■ 15.3422, 28.5411,
11.7215

■ 15.3427, 28.5422,
11.7214

■ 15.9148, 28.7973,
13.5455

■ 16.7248, 29.1697,
15.6238

■ 17.8529, 29.7005,
17.9695

■ 19.3357, 30.4084,
20.5926

■ 21.2043, 31.3093,
23.5024

■ 23.4865, 32.4172,
26.7076

■ 26.2072, 33.7449,
30.2167

■ 29.3895, 35.3042,
34.0377

■ 33.0545, 37.1057,
38.1783

Harmonies

Analogous

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



20.1509, 28.5411, 4.9869



15.3422, 28.5411, 11.7215



13.6130, 28.5411, 28.8901

Triad

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



15.3422, 28.5411, 11.7215



26.3529, 28.5411, 107.7077



44.8704, 28.5411, 13.8655

Complementary

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



15.3422, 28.5411, 11.7215



18.0378, 9.0808, 10.7014

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.



47.5047, 28.5411, 33.3703



15.3422, 28.5411, 11.7215



35.5529, 28.5411, 96.0366

Square

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



15.3422, 28.5411, 11.7215



19.0602, 28.5411, 91.3628



43.7855, 28.5411, 64.7875



37.1999, 28.5411, 5.6779

Rectangle

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



15.3422, 28.5411, 11.7215



14.0859, 28.5411, 47.6343



43.7855, 28.5411, 64.7875



46.4372, 28.5411, 18.8834

Sweetspot

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



15.3429, 28.5423, 11.7222



47.2596, 61.0883, 54.4626



18.4574, 30.3026, 4.8764



9.8493, 13.0942, 11.2990



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.



15.3429, 28.5423, 11.7222



27.7348, 51.7497, 20.7130



20.3138, 30.5306, 37.8983



7.5744, 8.4628, 8.7448



11.6111, 21.5632, 8.9846



0.3085, 0.5350, 0.3555

Inverse Universe

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



18.0378, 9.0808, 10.7014



32.6210, 16.4335, 18.8398



16.1952, 8.3437, 0.9983



7.6946, 7.6077, 8.7092



13.6469, 6.8675, 8.2180



0.3574, 0.1772, 0.3335

Previews

White Background



This preview shows how the XYZ color 15.3422, 28.5411, 11.7215 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 15.3422, 28.5411, 11.7215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

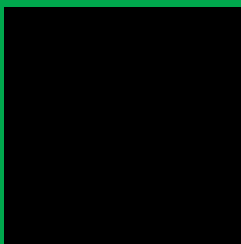
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

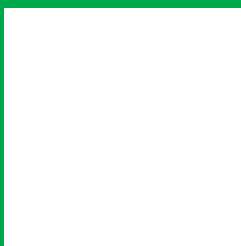
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3422, 28.5411, 11.7215

Background



This preview shows how black text looks on a background with the XYZ color 15.3422, 28.5411, 11.7215.



This preview shows how white text looks on a background with the XYZ color 15.3422, 28.5411,

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

15.3422, 28.5411, 11.7215

Protanopia

25.6968, 28.1541, 9.7101

Deuteranopia

28.6327, 28.0629, 12.5019



Tritanopia

21.7575, 28.5178, 42.8858

Trichromacy



Original Color

15.3422, 28.5411, 11.7215



Protanomaly

18.0404, 26.0751, 10.2131



Deuteranomaly

18.9525, 25.5488, 11.9152



Tritanomaly

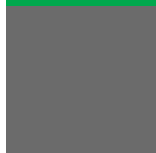
18.3501, 28.1182, 28.1271

Monochromacy



Original Color

15.3422, 28.5411, 11.7215



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.3455, 17.7740, 13.8464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3422, 28.5411, 11.7215 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, 168, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 77)  
}
```

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, 168, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 77) }
```

Border

The CSS property to change the border of an element to XYZ 15.3422, 28.5411, 11.7215 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, 168, 77) }
```


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

```
.border{ border-color:rgb(0, 168, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3422, 28.5411, 11.7215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 77) }
```

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

```
.background{ background-color: rgb(0, 168,  
77) }
```

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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