

Converting Colors

XYZ(15.2782, 28.6042, 11.1112)

Have a look what the booklet for
XYZ(15.2782, 28.6042, 11.1112)
contains.

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Color

**XYZ(15.2387, 28.4997,
11.1764)**

Conversions

Conversions Part 1

Format	Color
Hex	00A84A
RGB	0, 168, 74
RGB Percent	0%, 66%, 29%
CMY	1.0000, 0.3412, 0.7098
CMYK	1.00, 0.00, 0.56, 0.34
HSL	146°, 100%, 33%
HSV	146°, 100%, 66%
XYZ	15.2387, 28.4997, 11.1764
YIQ	107.0520, -69.9540, -64.8500

Conversions

Conversions Part 2

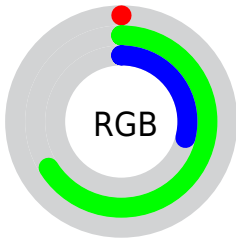
Format	Color
RYB	0, 117, 168
Decimal	43082
CIELab	60.34, -57.41, 37.97
CIELCh	60, 68.835, 146.520
Yxy	28.4997, 0.2775, 0.5190
Android (android.graphics.Color)	4278233162 (0xFF00A84A)
YUV	107.0520, -16.2946, -93.8846
Hunter-Lab	53.3851, -42.4714, 24.9570

Details

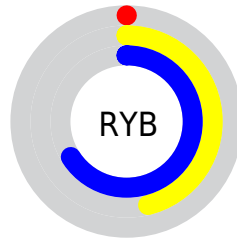
The XYZ color **15.2387, 28.4997, 11.1764** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.1699, 9.1336, 11.3969**, and the grayscale version is **14.0483, 14.7799, 16.0954**.

A 20% lighter version of the original color is **34.6717, 57.0161, 28.5799**, and **6.1822, 12.1006, 2.8740** is the 20% darker color. If you saturate the color by 10%, you get **15.2392, 28.5007, 11.1763**, and if you desaturate by 10%, it is **15.8079, 28.7545, 12.9825**.

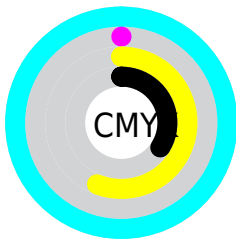
Distribution



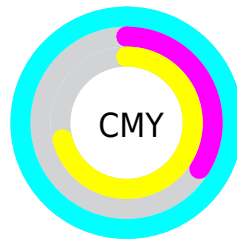
- Red (0%)
- Green (66%)
- Blue (29%)



- Red (0%)
- Yellow (46%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2387, 28.4997, 11.1764 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 15.2387, 28.4997, 11.1764 by changing the saturation by 10% instead.

■ 15.2387, 28.4997,
11.1764

■ 15.2387, 28.4997,
11.1764

218.1663,
294.8470, 209.6545

■ 9.0745, 18.7027,
6.0699

■ 34.8396, 57.2813,
28.6275

■ 4.8473, 11.4556,
2.8182

■ 49.0070, 77.0346,
41.8093

■ 2.1918, 6.3742,
1.0026

■ 66.5729, 100.8755,
58.5199

■ 0.7384, 3.0739,
0.0000

■ 87.9026, 129.1883,
79.1779

■ 0.0000, 1.1704,
0.0000

■ 113.3614,
162.3575, 104.2018

■ 0.0000, 0.0374,
0.0000

■ 143.3147,

■ 0.0000, 0.0000,

200.7674, 134.0102

0.0000

178.1279,
244.8024, 169.0215

■ 15.2387, 28.4997,
11.1764

■ 15.2387, 28.4997,
11.1764

■ 15.2392, 28.5007,
11.1763

■ 15.8079, 28.7545,
12.9825

■ 16.6171, 29.1267,
15.0566

■ 17.7472, 29.6583,
17.4127

■ 19.2349, 30.3681,
20.0619

■ 21.1117, 31.2722,
23.0142

■ 23.4053, 32.3847,
26.2794

■ 26.1409, 33.7184,
29.8665

■ 29.3415, 35.2850,
33.7845

■ 33.0287, 37.0954,
38.0417

Harmonies

Analogous

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



20.1843, 28.4997, 4.6731



15.2387, 28.4997, 11.1764



13.4157, 28.4997, 28.1686

Triad

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



15.2387, 28.4997, 11.1764



26.0692, 28.4997, 109.4144



45.3249, 28.4997, 13.9733

Complementary

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



15.2387, 28.4997, 11.1764



18.1699, 9.1336, 11.3969

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.



47.8473, 28.4997, 34.0818



15.2387, 28.4997, 11.1764



35.4101, 28.4997, 98.1639

Square

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



15.2387, 28.4997, 11.1764



18.7505, 28.4997, 91.9316



43.8859, 28.4997, 66.3845



37.5904, 28.4997, 5.5607

Rectangle

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



15.2387, 28.4997, 11.1764



13.8398, 28.4997, 47.0365



43.8859, 28.4997, 66.3845



46.8743, 28.4997, 19.1438

Sweetspot

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



15.2394, 28.5009, 11.1771



47.1372, 61.0394, 53.8181



18.7439, 30.4503, 4.8898



9.8201, 13.0825, 11.1454



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.



15.2394, 28.5009, 11.1771



27.5486, 51.6752, 19.7322



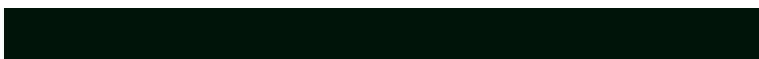
20.0723, 30.4340, 36.6267



7.5689, 8.4606, 8.7158



11.5325, 21.5318, 8.5711



0.3065, 0.5342, 0.3450

Inverse Universe

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



18.1699, 9.1336, 11.3969



32.8606, 16.5294, 20.1016



16.2108, 8.3500, 1.0802



7.7002, 7.6100, 8.7386



13.7466, 6.9074, 8.7431



0.3595, 0.1781, 0.3448

Previews

White Background



This preview shows how the XYZ color 15.2387, 28.4997, 11.1764 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 15.2387, 28.4997, 11.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

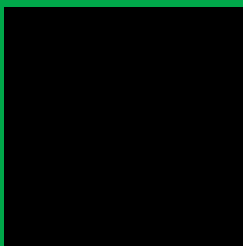
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

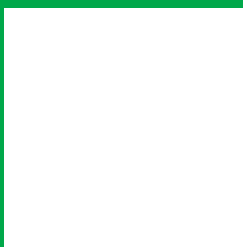
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2387, 28.4997, 11.1764

Background



This preview shows how black text looks on a background with the XYZ color 15.2387, 28.4997, 11.1764.



This preview shows how white text looks on a background with the XYZ color 15.2387, 28.4997,

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

15.2387, 28.4997, 11.1764

Protanopia

25.6357, 28.1296, 9.3886

Deuteranopia

28.5160, 28.0163, 11.8874



Tritanopia

21.8243, 28.5522, 42.8889

Trichromacy



Original Color

15.2387, 28.4997, 11.1764



Protanomaly

17.9762, 26.0494, 9.8750



Deuteranomaly

18.8408, 25.5041, 11.3269



Tritanomaly

18.3191, 28.1105, 27.7529

Monochromacy



Original Color

15.2387, 28.4997, 11.1764



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.2997, 17.7557, 13.6054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2387, 28.4997, 11.1764 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 74) }
```

Border

The CSS property to change the border of an element to XYZ 15.2387, 28.4997, 11.1764 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, 74) }
```


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

```
.border{ border-color:rgb(0, 168, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2387, 28.4997, 11.1764 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, 74) }
```

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

```
.background{ background-color: rgb(0, 168,  
74) }
```

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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