

Converting Colors

XYZ(15.7542, 29.0830, 12.7288)

Have a look what the booklet for
XYZ(15.7542, 29.0830, 12.7288)
contains.

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Color

**XYZ(15.7110, 28.9851,
12.7493)**

Conversions

Conversions Part 1

Format	Color
Hex	00A952
RGB	0, 169, 82
RGB Percent	0%, 66%, 32%
CMY	1.0000, 0.3372, 0.6784
CMYK	1.00, 0.00, 0.51, 0.34
HSL	149°, 100%, 33%
HSV	149°, 100%, 66%
XYZ	15.7110, 28.9851, 12.7493
YIQ	108.5510, -72.7970, -62.8850

Conversions

Conversions Part 2

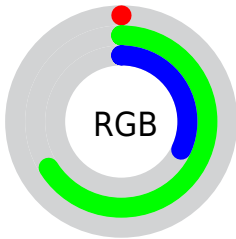
Format	Color
RYB	0, 114, 169
Decimal	43346
CIELab	60.77, -56.49, 34.51
CIELCh	61, 66.203, 148.577
Yxy	28.9851, 0.2735, 0.5046
Android (android.graphics.Color)	4278233426 (0xFF00A952)
YUV	108.5510, -13.0896, -95.1992
Hunter-Lab	53.8378, -42.1261, 23.6460

Details

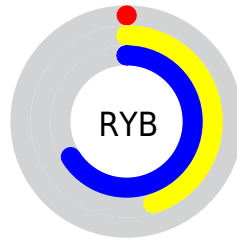
The XYZ color **15.7110, 28.9851, 12.7493** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.0837, 9.1239, 9.8275**, and the grayscale version is **14.4608, 15.2138, 16.5679**.

A 20% lighter version of the original color is **35.5725, 57.8192, 31.4757**, and **6.4052, 12.3713, 3.4891** is the 20% darker color. If you saturate the color by 10%, you get **15.7113, 28.9861, 12.7487**, and if you desaturate by 10%, it is **16.2936, 29.2455, 14.6167**.

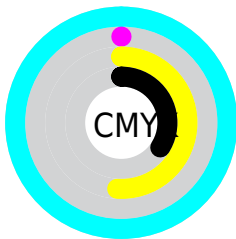
Distribution



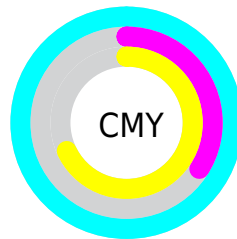
- Red (0%)
- Green (66%)
- Blue (32%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7110, 28.9851, 12.7493 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 15.7110, 28.9851, 12.7493 by changing the saturation by 10% instead.


 15.7110, 28.9851,
12.7493

 15.7110, 28.9851,
12.7493


220.9344,
297.1447, 220.4558


 9.4094, 19.0695,
7.1274


 35.6573, 58.0534,
31.5372


 5.0684, 11.7205,
3.4623


 50.0327, 77.9750,
45.5403


 2.3226, 6.5537,
1.3353


 67.8301, 102.0006,
63.1743

 0.8062, 3.1846,
0.0904

 89.4148, 130.5148,
84.8577

 0.0000, 1.2288,
0.0000

 115.1523,
163.9019, 111.0090

 0.0000, 0.0851,
0.0000

 145.4078,

 0.0000, 0.0000,

202.5463, 142.0467

0.0000

180.5467,
246.8324, 178.3895

■ 15.7110, 28.9851,
12.7493

■ 15.7110, 28.9851,
12.7493

■ 15.7113, 28.9861,
12.7487

■ 16.2936, 29.2455,
14.6167

■ 17.1135, 29.6225,
16.7216

■ 18.2516, 30.1583,
19.0757

■ 19.7449, 30.8718,
21.6878

■ 21.6249, 31.7792,
24.5661

■ 23.9193, 32.8946,
27.7184

■ 26.6533, 34.2309,
31.1522

■ 29.8501, 35.7998,
34.8744

■ 33.5310, 37.6123,
38.8920

Harmonies

Analogous

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



20.3726, 28.9851, 5.5651



15.7110, 28.9851, 12.7493



14.1049, 28.9851, 30.3988

Triad

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



15.7110, 28.9851, 12.7493



27.1410, 28.9851, 106.5185



44.7710, 28.9851, 13.8947

Complementary

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



15.7110, 28.9851, 12.7493



18.0837, 9.1239, 9.8275

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.



47.6064, 28.9851, 32.7501



15.7110, 28.9851, 12.7493



36.2402, 28.9851, 94.0876

Square

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



15.7110, 28.9851, 12.7493



19.7967, 28.9851, 91.6733



44.2060, 28.9851, 63.2463



37.1006, 28.9851, 5.9430

Rectangle

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



15.7110, 28.9851, 12.7493



14.6602, 28.9851, 49.1787



44.2060, 28.9851, 63.2463



46.3836, 28.9851, 18.7492

Sweetspot

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



15.7117, 28.9863, 12.7500



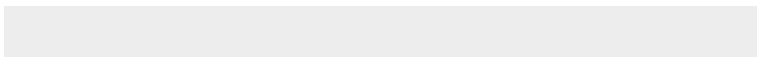
47.4456, 61.1627, 55.4421



18.1493, 30.4189, 4.9152



9.8937, 13.1119, 11.5329



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.



15.7117, 28.9863, 12.7500



28.0322, 51.8687, 22.2790



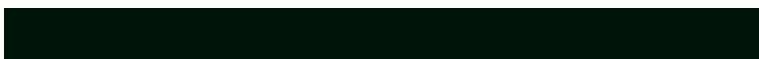
21.0887, 31.1371, 41.0646



7.5827, 8.4661, 8.7886



11.7360, 21.6132, 9.6427



0.3115, 0.5362, 0.3713

Inverse Universe

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



18.0837, 9.1239, 9.8275



32.2788, 16.2967, 17.0378



16.3784, 8.4418, 0.8474



7.6863, 7.6044, 8.6651



13.5041, 6.8104, 7.4662



0.3543, 0.1760, 0.3170

Previews

White Background



This preview shows how the XYZ color 15.7110, 28.9851, 12.7493 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 15.7110, 28.9851, 12.7493 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 15.7110, 28.9851, 12.7493

Background



This preview shows how black text looks on a background with the XYZ color 15.7110, 28.9851, 12.7493.



This preview shows how white text looks on a background with the XYZ color 15.7110, 28.9851,

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

15.7110, 28.9851, 12.7493

Protanopia

26.2129, 28.6292, 10.6230

Deuteranopia

28.9826, 28.4335, 13.6335



Tritanopia

22.0245, 28.8986, 43.4469

Trichromacy



Original Color

15.7110, 28.9851, 12.7493



Protanomaly

18.3746, 26.4718, 11.1623



Deuteranomaly

19.3087, 25.9456, 13.0071



Tritanomaly

18.6718, 28.5299, 28.9488

Monochromacy



Original Color

15.7110, 28.9851, 12.7493



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.8227, 18.3987, 14.6799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7110, 28.9851, 12.7493 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, 169, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 82)  
}
```

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, 169, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 82) }
```

Border

The CSS property to change the border of an element to XYZ 15.7110, 28.9851, 12.7493 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, 169, 82) }
```


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

```
.border{ border-color:rgb(0, 169, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 169, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7110, 28.9851, 12.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 82) }
```

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

```
.background{ background-color: rgb(0, 169,  
82) }
```

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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