

Converting Colors

XYZ(8.6396, 25.0354, 12.0948)

Have a look what the booklet for
XYZ(8.6396, 25.0354, 12.0948)
contains.

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Color

**XYZ(15.4878, 28.5993,
12.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	00A851
RGB	0, 168, 81
RGB Percent	0%, 66%, 32%
CMY	1.0000, 0.3412, 0.6823
CMYK	1.00, 0.00, 0.52, 0.34
HSL	149°, 100%, 33%
HSV	149°, 100%, 66%
XYZ	15.4878, 28.5993, 12.4885
YIQ	107.8500, -72.2010, -62.6730

Conversions

Conversions Part 2

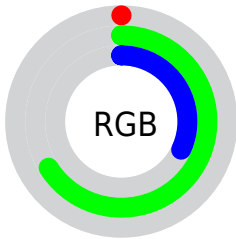
Format	Color
RYB	0, 113, 168
Decimal	43089
CIELab	60.43, -56.32, 34.60
CIELCh	60, 66.101, 148.441
Yxy	28.5993, 0.2738, 0.5055
Android (android.graphics.Color)	4278233169 (0xFF00A851)
YUV	107.8500, -13.2370, -94.5844
Hunter-Lab	53.4783, -41.8918, 23.5891

Details

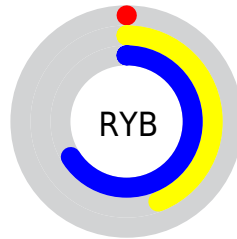
The XYZ color **15.4878, 28.5993, 12.4885** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.8696, 9.0135, 9.8160**, and the grayscale version is **14.2631, 15.0058, 16.3414**.

A 20% lighter version of the original color is **35.1349, 57.2014, 31.0190**, and **6.2780, 12.1389, 3.3787** is the 20% darker color. If you saturate the color by 10%, you get **15.4883, 28.6004, 12.4886**, and if you desaturate by 10%, it is **16.0637, 28.8568, 14.3299**.

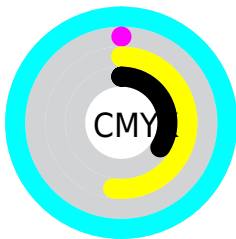
Distribution



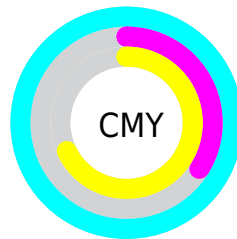
- Red (0%)
- Green (66%)
- Blue (32%)



- Red (0%)
- Yellow (44%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (34%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4878, 28.5993, 12.4885 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 15.4878, 28.5993, 12.4885 by changing the saturation by 10% instead.


 15.4878, 28.5993,
12.4885


 15.4878, 28.5993,
12.4885


219.6304,
295.3196, 218.7045


 9.2510, 18.7779,
6.9507


 35.2714, 57.4398,
31.0593


 4.9637, 11.5099,
3.3533


 49.5488, 77.2278,
44.9295


 2.2605, 6.4109,
1.2778


 67.2372, 101.1067,
62.4141

 0.7743, 3.0965,
0.0435

 88.7018, 129.4610,
83.9319

 0.0000, 1.1823,
0.0000

 114.3081,
162.6750, 109.9013

 0.0000, 0.0472,
0.0000

 144.4214,

 0.0000, 0.0000,

201.1332, 140.7408

0.0000

179.4070,
245.2199, 176.8690

■ 15.4878, 28.5993,
12.4885

■ 15.4878, 28.5993,
12.4885

■ 15.4883, 28.6004,
12.4886

■ 16.0637, 28.8568,
14.3299

■ 16.8736, 29.2292,
16.4078

■ 17.9979, 29.7585,
18.7338

■ 19.4730, 30.4633,
21.3168

■ 21.3299, 31.3594,
24.1651

■ 23.5961, 32.4610,
27.2863

■ 26.2964, 33.7805,
30.6879

■ 29.4536, 35.3297,
34.3771

■ 33.0888, 37.1193,
38.3607

Harmonies

Analogous

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



20.1108, 28.5993, 5.4365



15.4878, 28.5993, 12.4885



13.8872, 28.5993, 29.8817

Triad

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



15.4878, 28.5993, 12.4885



26.7399, 28.5993, 105.4033



44.2592, 28.5993, 13.7288

Complementary

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



15.4878, 28.5993, 12.4885



17.8696, 9.0135, 9.8160

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.



47.0403, 28.5993, 32.4326



15.4878, 28.5993, 12.4885



35.7441, 28.5993, 93.1963

Square

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



15.4878, 28.5993, 12.4885



19.4865, 28.5993, 90.5726



43.6457, 28.5993, 62.6705



36.6779, 28.5993, 5.8447

Rectangle

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



15.4878, 28.5993, 12.4885



14.4271, 28.5993, 48.4402



43.6457, 28.5993, 62.6705



45.8482, 28.5993, 18.5438

Sweetspot

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



15.4885, 28.6005, 12.4892



47.4244, 61.1542, 55.3305



18.1812, 30.1602, 4.8634



9.8887, 13.1099, 11.5063



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.



15.4885, 28.6005, 12.4892



27.9974, 51.8548, 22.0960



20.5607, 30.6293, 39.1989



7.5818, 8.4657, 8.7837



11.7215, 21.6073, 9.5660



0.3112, 0.5361, 0.3695

Inverse Universe

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



17.8696, 9.0135, 9.8160



32.3165, 16.3117, 17.2363



16.1798, 8.3375, 0.9175



7.6872, 7.6047, 8.6701



13.5199, 6.8167, 7.5492



0.3546, 0.1761, 0.3188

Previews

White Background



This preview shows how the XYZ color 15.4878, 28.5993, 12.4885 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 15.4878, 28.5993, 12.4885 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 15.4878, 28.5993, 12.4885

Background



This preview shows how black text looks on a background with the XYZ color 15.4878, 28.5993, 12.4885.



This preview shows how white text looks on a background with the XYZ color 15.4878, 28.5993,

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

15.4878, 28.5993, 12.4885

Protanopia

25.8252, 28.2054, 10.3864

Deuteranopia

28.5708, 28.0122, 13.3522



Tritanopia

21.7575, 28.5178, 42.8858

Trichromacy



Original Color

15.4878, 28.5993, 12.4885



Protanomaly

18.1752, 26.1290, 10.9230



Deuteranomaly

18.9827, 25.5463, 12.7345



Tritanomaly

18.4222, 28.1471, 28.5067

Monochromacy



Original Color

15.4878, 28.5993, 12.4885



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.6415, 18.1123, 14.3850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4878, 28.5993, 12.4885 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 81) }
```

Border

The CSS property to change the border of an element to XYZ 15.4878, 28.5993, 12.4885 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, 81) }
```


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

```
.border{ border-color:rgb(0, 168, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4878, 28.5993, 12.4885 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, 81) }
```

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

```
.background{ background-color: rgb(0, 168,  
81) }
```

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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