

Converting Colors

XYZ(9.9668, 23.9973, 17.6680)

Have a look what the booklet for
XYZ(9.9668, 23.9973, 17.6680)
contains.

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Color

**XYZ(15.5218, 26.8813,
18.0062)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A26A |
| RGB | 0, 162, 106 |
| RGB Percent | 0%, 64%, 42% |
| CMY | 1.0000, 0.3647, 0.5843 |
| CMYK | 1.00, 0.00, 0.35, 0.36 |
| HSL | 159°, 100%, 32% |
| HSV | 159°, 100%, 64% |
| XYZ | 15.5218, 26.8813, 18.0062 |
| YIQ | 107.1780, -78.5760, -51.7600 |

Conversions

Conversions Part 2

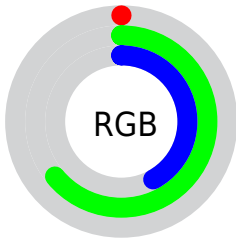
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 98, 162 |
| Decimal | 41578 |
| CIELab | 58.86, -49.39, 19.30 |
| CIELCh | 59, 53.028, 158.659 |
| Yxy | 26.8813, 0.2569, 0.4450 |
| Android (android.graphics.Color) | 4278231658 (0xFF00A26A) |
| YUV | 107.1780, -0.5808, -93.9951 |
| Hunter-Lab | 51.8472, -37.2940, 15.7020 |

Details

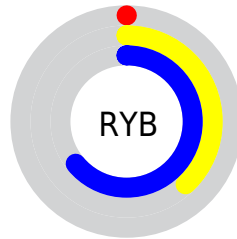
The XYZ color **15.5218, 26.8813, 18.0062** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.6149, 7.9674, 4.4569**, and the grayscale version is **14.0424, 14.7737, 16.0886**.

A 20% lighter version of the original color is **35.3628, 54.7353, 41.0489**, and **6.2324, 11.2428, 5.8446** is the 20% darker color. If you saturate the color by 10%, you get **15.5224, 26.8823, 18.0064**, and if you desaturate by 10%, it is **16.0405, 27.1147, 19.6015**.

Distribution



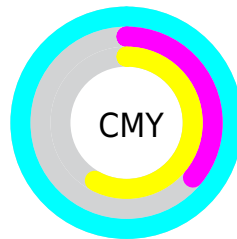
- Red (0%)
- Green (64%)
- Blue (42%)



- Red (0%)
- Yellow (38%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5218, 26.8813, 18.0062 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 15.5218, 26.8813, 18.0062 by changing the saturation by 10% instead.


 15.5218, 26.8813,
18.0062


 15.5218, 26.8813,
18.0062


219.8295,
287.0819, 253.1433


 9.2751, 17.4841,
10.7850


 35.3302, 54.6933,
40.8620


 4.9796, 10.5802,
5.8101


 49.6226, 73.8770,
57.3336


 2.2699, 5.7853,
2.6630


 67.3276, 97.0915,
77.7257

 0.7792, 2.7150,
0.9247

 88.8106, 124.7214,
102.4569

 0.0000, 0.9848,
0.0000

 114.4370,
157.1509, 131.9457

 0.0000, 0.0000,
0.0000

 144.5720,

194.7646, 166.6107

179.5810,
237.9468, 206.8704

■ 15.5218, 26.8813,
18.0062

■ 15.5218, 26.8813,
18.0062

■ 15.5224, 26.8823,
18.0064

■ 16.0405, 27.1147,
19.6015

■ 16.7519, 27.4444,
21.3064

■ 17.7313, 27.9100,
23.1268

■ 19.0108, 28.5280,
25.0658

■ 20.6179, 29.3126,
27.1266

■ 22.5770, 30.2762,
29.3118

■ 24.9098, 31.4300,
31.6241

■ 27.6365, 32.7844,
34.0661

■ 30.7756, 34.3490,
36.6401

Harmonies

Analogous

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



18.4615, 26.8813, 9.1705



15.5218, 26.8813, 18.0062



15.0110, 26.8813, 35.0430

Triad

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



15.5218, 26.8813, 18.0062



27.4935, 26.8813, 81.3768



36.7019, 26.8813, 12.0230

Complementary

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



15.5218, 26.8813, 18.0062



15.6149, 7.9674, 4.4569

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.



40.1347, 26.8813, 24.1671



15.5218, 26.8813, 18.0062



34.2537, 26.8813, 67.4415

Square

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



15.5218, 26.8813, 18.0062



21.2347, 26.8813, 77.3667



39.1695, 26.8813, 44.4576



30.4133, 26.8813, 6.8864

Rectangle

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



15.5218, 26.8813, 18.0062



16.0143, 26.8813, 50.2026



39.1695, 26.8813, 44.4576



38.2730, 26.8813, 15.1533

Sweetspot

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



15.5225, 26.8824, 18.0068



44.9584, 56.9271, 57.1622



14.5914, 26.7029, 4.3852



9.7003, 12.5889, 12.4547



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.5225, 26.8824, 18.0068



28.0787, 48.7612, 32.1612



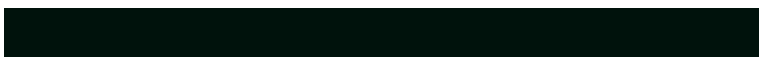
15.5678, 20.7006, 37.3589



7.1716, 7.9695, 8.5153



12.2493, 21.1860, 14.2950



0.2783, 0.4535, 0.4105

Inverse Universe

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



15.6149, 7.9674, 4.4569



28.2587, 14.4283, 7.6276



15.2338, 8.3476, 0.8084



7.1701, 7.1245, 7.8824



12.3199, 6.2840, 3.6091



0.2805, 0.1407, 0.1896

Previews

White Background



This preview shows how the XYZ color 15.5218, 26.8813, 18.0062 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 15.5218, 26.8813, 18.0062 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 15.5218, 26.8813, 18.0062

Background



This preview shows how black text looks on a background with the XYZ color 15.5218, 26.8813, 18.0062.



This preview shows how white text looks on a background with the XYZ color 15.5218, 26.8813,

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

15.5218, 26.8813, 18.0062

Protanopia

24.6314, 26.5882, 15.1431

Deuteranopia

26.8984, 26.3903, 19.0054



Tritanopia

20.2180, 26.7711, 40.6610

Trichromacy



Original Color

15.5218, 26.8813, 18.0062



Protanomaly

17.9775, 24.9564, 15.9261



Deuteranomaly

18.6488, 24.3196, 18.4631



Tritanomaly

17.8954, 26.5333, 30.9663

Monochromacy



Original Color

15.5218, 26.8813, 18.0062



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.6271, 17.4692, 16.6163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5218, 26.8813, 18.0062 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, 162, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 106)  
}
```

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, 162, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.5218, 26.8813, 18.0062 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, 162, 106) }
```


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

```
.border{ border-color:rgb(0, 162, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5218, 26.8813, 18.0062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 106) }
```

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

```
.background{ background-color: rgb(0, 162,  
106) }
```

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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