

Converting Colors

XYZ(12.6283, 27.0278, 26.5117)

Have a look what the booklet for
XYZ(12.6283, 27.0278, 26.5117)
contains.

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Color

**XYZ(18.3528, 30.0419,
26.6612)**

Conversions

Conversions Part 1

Format	Color
Hex	00A984
RGB	0, 169, 132
RGB Percent	0%, 66%, 52%
CMY	0.9999, 0.3372, 0.4823
CMYK	1.00, 0.00, 0.22, 0.34
HSL	167°, 100%, 33%
HSV	167°, 100%, 66%
XYZ	18.3528, 30.0419, 26.6612
YIQ	114.2510, -88.8470, -47.3350

Conversions

Conversions Part 2

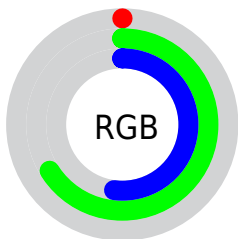
Format	Color
RYB	0, 95, 169
Decimal	43396
CIELab	61.69, -45.88, 8.83
CIELCh	62, 46.718, 169.110
Yxy	30.0419, 0.2445, 0.4003
Android (android.graphics.Color)	4278233476 (0xFF00A984)
YUV	114.2510, 8.7503, -100.1981
Hunter-Lab	54.8105, -36.1492, 9.5272

Details

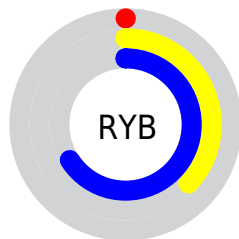
The XYZ color **18.3528, 30.0419, 26.6612** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.6971, 8.5693, 2.5255**, and the grayscale version is **16.0648, 16.9014, 18.4056**.

A 20% lighter version of the original color is **40.0958, 59.6285, 55.2951**, and **7.8067, 13.1153, 10.3037** is the 20% darker color. If you saturate the color by 10%, you get **18.3533, 30.0429, 26.6609**, and if you desaturate by 10%, it is **18.8409, 30.2645, 28.0303**.

Distribution



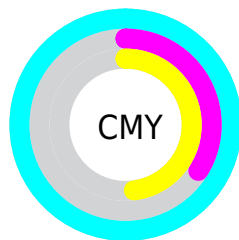
- Red (0%)
- Green (66%)
- Blue (52%)



- Red (0%)
- Yellow (37%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3528, 30.0419, 26.6612 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 18.3528, 30.0419, 26.6612 by changing the saturation by 10% instead.

■ 18.3528, 30.0419,
26.6612

■ 18.3528, 30.0419,
26.6612

■ 235.8595,
302.0997, 299.7210

■ 11.3048, 19.8704,
17.0888

■ 40.1630, 59.7284,
55.3368

■ 6.3410, 12.3009,
10.1352

■ 55.6558, 80.0123,
75.2771

■ 3.0962, 6.9489,
5.3819

■ 74.6944, 104.4356,
99.5104

■ 1.2048, 3.4302,
2.4104

■ 97.6439, 133.3830,
128.4552

■ 0.1102, 1.3602,
0.7921

■ 124.8699,
167.2386, 162.5302

■ 0.0000, 0.1871,
0.0000

■ 156.7375,

■ 0.0000, 0.0000,

206.3871, 202.1538

0.0000

193.6123,
251.2126, 247.7446

■ 18.3528, 30.0419,
26.6612

■ 18.3528, 30.0419,
26.6612

■ 18.3533, 30.0429,
26.6609

■ 18.8409, 30.2645,
28.0303

■ 19.5317, 30.5898,
29.4555

■ 20.5051, 31.0597,
30.9418

■ 21.7966, 31.6925,
32.4913

■ 23.4366, 32.5039,
34.1059

■ 25.4517, 33.5076,
35.7872

■ 27.8659, 34.7160,
37.5368

■ 30.7014, 36.1404,
39.3562

■ 33.9784, 37.7913,
41.2468

Harmonies

Analogous

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



20.4389, 30.0419, 15.0320



18.3528, 30.0419, 26.6612



18.6850, 30.0419, 45.2436

Triad

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



18.3528, 30.0419, 26.6612



32.6478, 30.0419, 76.8785



37.1131, 30.0419, 13.0593

Complementary

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



18.3528, 30.0419, 26.6612



16.6971, 8.5693, 2.5255

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.



41.3999, 30.0419, 22.7363



18.3528, 30.0419, 26.6612



38.5745, 30.0419, 60.6194

Square

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



18.3528, 30.0419, 26.6612



26.3552, 30.0419, 79.1450



41.9705, 30.0419, 39.6120



30.8717, 30.0419, 9.2980

Rectangle

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



18.3528, 30.0419, 26.6612



20.2486, 30.0419, 59.3989



41.9705, 30.0419, 39.6120



38.8669, 30.0419, 15.5222

Sweetspot

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



18.3536, 30.0431, 26.6619



49.6500, 62.0445, 67.0501



15.0422, 28.8171, 4.7698



10.4260, 13.3248, 14.3361



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.



18.3536, 30.0431, 26.6619



32.7875, 53.7708, 47.3203



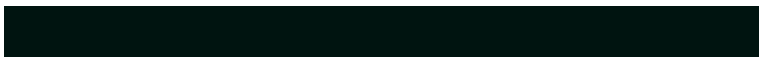
14.3619, 17.2648, 40.1130



7.6762, 8.5035, 9.2809



13.6985, 22.3982, 19.9772



0.3503, 0.5518, 0.5756

Inverse Universe

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



16.6971, 8.5693, 2.5255



29.8376, 15.3202, 4.1826



17.3042, 10.3180, 1.0799



7.5959, 7.5682, 8.1890



12.4606, 6.3930, 1.9712



0.3212, 0.1627, 0.1428

Previews

White Background



This preview shows how the XYZ color 18.3528, 30.0419, 26.6612 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 18.3528, 30.0419, 26.6612 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 ✓ Pass

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

XYZ 18.3528, 30.0419, 26.6612

Background



This preview shows how black text looks on a background with the XYZ color 18.3528, 30.0419, 26.6612.



This preview shows how white text looks on a background with the XYZ color 18.3528, 30.0419,

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

18.3528, 30.0419, 26.6612

Protanopia

27.9457, 29.7284, 22.3544

Deuteranopia

30.1358, 29.5869, 28.1673



Tritanopia

22.3498, 30.0590, 45.6983

Trichromacy



Original Color

18.3528, 30.0419, 26.6612



Protanomaly

20.8457, 27.9669, 23.7015



Deuteranomaly

21.6160, 27.2982, 27.4223



Tritanomaly

20.4275, 29.7717, 37.9276

Monochromacy



Original Color

18.3528, 30.0419, 26.6612



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.7239, 19.8471, 21.1440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3528, 30.0419, 26.6612 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 132) }
```

Border

The CSS property to change the border of an element to XYZ 18.3528, 30.0419, 26.6612 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, 132) }
```


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

```
.border{ border-color:rgb(0, 169, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 169, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 169, 132); box-shadow:4px 4px 4px 4px rgb(0, 169, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3528, 30.0419, 26.6612 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, 132) }
```

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

```
.background{ background-color: rgb(0, 169,  
132) }
```

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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