

Converting Colors

XYZ(15.7931, 29.0177, 16.7866)

Have a look what the booklet for
XYZ(15.7931, 29.0177, 16.7866)
contains.

XYZ(16.4882, 29.2960, 16.8423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4882, 29.2960,
16.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	00A964
RGB	0, 169, 100
RGB Percent	0%, 66%, 39%
CMY	1.0000, 0.3372, 0.6078
CMYK	1.00, 0.00, 0.41, 0.34
HSL	156°, 100%, 33%
HSV	156°, 100%, 66%
XYZ	16.4882, 29.2960, 16.8423
YIQ	110.6030, -78.5750, -57.2870

Conversions

Conversions Part 2

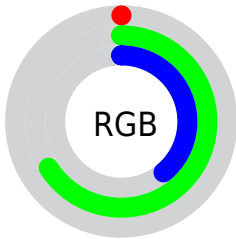
Format	Color
RYB	0, 106, 169
Decimal	43364
CIELab	61.04, -53.22, 25.47
CIELCh	61, 59.001, 154.425
Yxy	29.2960, 0.2633, 0.4678
Android (android.graphics.Color)	4278233444 (0xFF00A964)
YUV	110.6030, -5.2273, -96.9988
Hunter-Lab	54.1258, -40.3441, 19.4388

Details

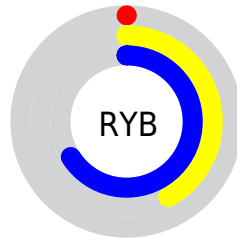
The XYZ color **16.4882, 29.2960, 16.8423** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.4374, 8.8653, 6.4240**, and the grayscale version is **15.0266, 15.8091, 17.2162**.

A 20% lighter version of the original color is **36.8255, 58.3089, 38.5920**, and **6.7506, 12.5094, 5.3076** is the 20% darker color. If you saturate the color by 10%, you get **16.4887, 29.2970, 16.8420**, and if you desaturate by 10%, it is **17.0668, 29.5548, 18.6882**.

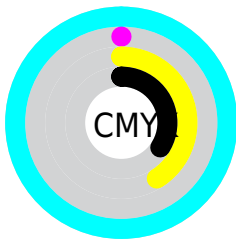
Distribution



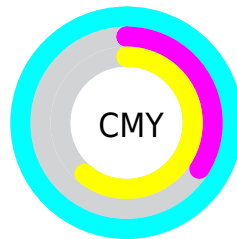
- Red (0%)
- Green (66%)
- Blue (39%)



- Red (0%)
- Yellow (42%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4882, 29.2960, 16.8423 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 16.4882, 29.2960, 16.8423 by changing the saturation by 10% instead.


 16.4882, 29.2960,
16.8423


 16.4882, 29.2960,
16.8423


225.4197,
298.6090, 246.2751


 9.9633, 19.3049,
9.9614


 36.9943, 58.5470,
38.8414


 5.4367, 11.8908,
5.2681


 51.7063, 78.5757,
54.7966


 2.5431, 6.6693,
2.3439


 69.8780, 102.7191,
74.6136

 0.9170, 3.2562,
0.7557

 91.8747, 131.3614,
98.7110

 0.0000, 1.2669,
0.0000

 118.0619,
164.8872, 127.5073

 0.0000, 0.1154,
0.0000

 148.8049,

 0.0000, 0.0000,

203.6808, 161.4210

0.0000

184.4691,
248.1266, 200.8708

■ 16.4882, 29.2960,
16.8423

■ 16.4882, 29.2960,
16.8423

■ 16.4887, 29.2970,
16.8420

■ 17.0668, 29.5548,
18.6882

■ 17.8680, 29.9243,
20.6951

■ 18.9722, 30.4465,
22.8708

■ 20.4155, 31.1401,
25.2203

■ 22.2289, 32.0208,
27.7482

■ 24.4393, 33.1026,
30.4588

■ 27.0715, 34.3981,
33.3565

■ 30.1479, 35.9189,
36.4451

■ 33.6893, 37.6756,
39.7284

Harmonies

Analogous

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



20.2690, 29.2960, 8.1138



16.4882, 29.2960, 16.8423



15.5138, 29.2960, 35.2914

Triad

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



16.4882, 29.2960, 16.8423



29.0058, 29.2960, 95.8168



41.9696, 29.2960, 13.3976

Complementary

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



16.4882, 29.2960, 16.8423



17.4374, 8.8653, 6.4240

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.



45.4188, 29.2960, 28.7301



16.4882, 29.2960, 16.8423



37.1065, 29.2960, 81.3760

Square

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



16.4882, 29.2960, 16.8423



21.9166, 29.2960, 87.6535



43.4929, 29.2960, 53.9917



34.7562, 29.2960, 6.8672

Rectangle

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



16.4882, 29.2960, 16.8423



16.3995, 29.2960, 52.9005



43.4929, 29.2960, 53.9917



43.6627, 29.2960, 17.3527

Sweetspot

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



16.4890, 29.2972, 16.8430



48.2062, 61.4670, 59.4474



16.7450, 29.6949, 4.8494



10.0762, 13.1849, 12.4939



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.



16.4890, 29.2972, 16.8430



29.4230, 52.4250, 29.6026



18.8698, 26.2808, 41.6156



7.6160, 8.4794, 8.9638



12.3155, 21.8450, 12.6943



0.3241, 0.5413, 0.4375

Inverse Universe

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



17.4374, 8.8653, 6.4240



31.1297, 15.8370, 10.9869



16.5211, 8.7519, 0.8188



7.6533, 7.5912, 8.4917



13.0206, 6.6169, 4.9199



0.3423, 0.1712, 0.2542

Previews

White Background



This preview shows how the XYZ color 16.4882, 29.2960, 16.8423 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 16.4882, 29.2960, 16.8423 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

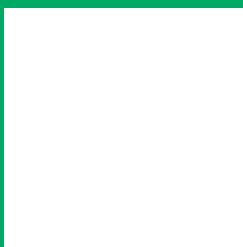
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4882, 29.2960, 16.8423

Background



This preview shows how black text looks on a background with the XYZ color 16.4882, 29.2960, 16.8423.



This preview shows how white text looks on a background with the XYZ color 16.4882, 29.2960,

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

16.4882, 29.2960, 16.8423

Protanopia

26.6644, 28.7867, 14.0485

Deuteranopia

29.2655, 28.7019, 17.9075



Tritanopia

22.1002, 29.1829, 44.0032

Trichromacy



Original Color

16.4882, 29.2960, 16.8423



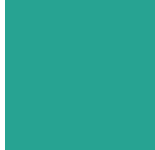
Protanomaly

19.0555, 26.7441, 14.7475



Deuteranomaly

19.9957, 26.4477, 17.1477



Tritanomaly

19.1222, 28.7010, 31.7261

Monochromacy



Original Color

16.4882, 29.2960, 16.8423



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.5036, 18.9037, 16.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4882, 29.2960, 16.8423 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 100) }
```

Border

The CSS property to change the border of an element to XYZ 16.4882, 29.2960, 16.8423 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, 100) }
```


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

```
.border{ border-color:rgb(0, 169, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4882, 29.2960, 16.8423 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, 100) }
```

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

```
.background{ background-color: rgb(0, 169,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor