

Converting Colors

XYZ(15.2290, 27.9888, 17.8711)

Have a look what the booklet for
XYZ(15.2290, 27.9888, 17.8711)
contains.

XYZ(16.3685, 28.6574, 18.0333)	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(16.3685, 28.6574,
18.0333)**

Conversions

Conversions Part 1

Format	Color
Hex	00A769
RGB	0, 167, 105
RGB Percent	0%, 65%, 41%
CMY	1.0000, 0.3451, 0.5882
CMYK	1.00, 0.00, 0.37, 0.35
HSL	158°, 100%, 33%
HSV	158°, 100%, 65%
XYZ	16.3685, 28.6574, 18.0333
YIQ	109.9990, -79.6300, -54.6860

Conversions

Conversions Part 2

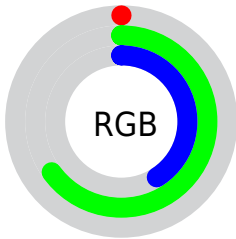
Format	Color
RYB	0, 103, 167
Decimal	42857
CIELab	60.48, -51.47, 22.03
CIELCh	60, 55.981, 156.831
Yxy	28.6574, 0.2596, 0.4545
Android (android.graphics.Color)	4278232937 (0xFF00A769)
YUV	109.9990, -2.4645, -96.4691
Hunter-Lab	53.5326, -39.1027, 17.5001

Details

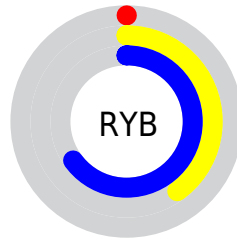
The XYZ color **16.3685, 28.6574, 18.0333** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.8068, 8.5639, 5.3258**, and the grayscale version is **14.8449, 15.6180, 17.0080**.

A 20% lighter version of the original color is **36.7879, 57.4338, 41.0452**, and **6.7558, 12.3300, 5.8948** is the 20% darker color. If you saturate the color by 10%, you get **16.3690, 28.6584, 18.0333**, and if you desaturate by 10%, it is **16.9256, 28.9072, 19.7849**.

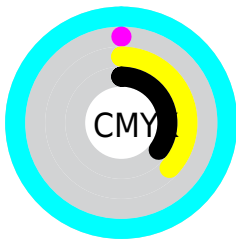
Distribution



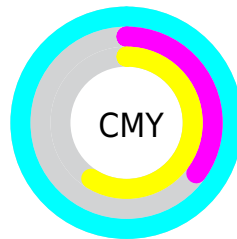
- Red (0%)
- Green (65%)
- Blue (41%)



- Red (0%)
- Yellow (40%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3685, 28.6574, 18.0333 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 16.3685, 28.6574, 18.0333 by changing the saturation by 10% instead.


 16.3685, 28.6574,
18.0333


 16.3685, 28.6574,
18.0333

224.7343,
295.5950, 253.3011


 9.8778, 18.8218,
10.8042


 36.7891, 57.5323,
40.9088


 5.3796, 11.5416,
5.8228


 51.4496, 77.3404,
57.3922


 2.5087, 6.4324,
2.6706


 69.5642, 101.2415,
77.7975

 0.8997, 3.1097,
0.9286

 91.4981, 129.6199,
102.5433

 0.0000, 1.1893,
0.0000

 117.6167,
162.8601, 132.0480

 0.0000, 0.0529,
0.0000

 148.2854,

 0.0000, 0.0000,

201.3464, 166.7301

0.0000

183.8695,
245.4632, 207.0083

■ 16.3685, 28.6574,
18.0333

■ 16.3685, 28.6574,
18.0333

■ 16.3690, 28.6584,
18.0333

■ 16.9256, 28.9072,
19.7849

■ 17.6942, 29.2625,
21.6696

■ 18.7530, 29.7646,
23.6941

■ 20.1369, 30.4315,
25.8624

■ 21.8757, 31.2784,
28.1783

■ 23.9957, 32.3189,
30.6450

■ 26.5205, 33.5651,
33.2660

■ 29.4718, 35.0281,
36.0444

■ 32.8698, 36.7183,
38.9831

Harmonies

Analogous

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



19.7375, 28.6574, 8.9783



16.3685, 28.6574, 18.0333



15.6524, 28.6574, 36.1730

Triad

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



16.3685, 28.6574, 18.0333



28.9222, 28.6574, 89.6342



39.9232, 28.6574, 12.9281

Complementary

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



16.3685, 28.6574, 18.0333



16.8068, 8.5639, 5.3258

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.



43.4701, 28.6574, 26.7106



16.3685, 28.6574, 18.0333



36.4322, 28.6574, 75.0466

Square

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



16.3685, 28.6574, 18.0333



22.1350, 28.6574, 83.8562



42.0911, 28.6574, 49.5964



33.0706, 28.6574, 7.0716

Rectangle

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



16.3685, 28.6574, 18.0333



16.6369, 28.6574, 52.7983



42.0911, 28.6574, 49.5964



41.5921, 28.6574, 16.4827

Sweetspot

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



16.3692, 28.6585, 18.0340



47.2279, 59.9786, 59.3109



15.9351, 28.7293, 4.7056



10.1420, 13.2112, 12.8406



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.



16.3692, 28.6585, 18.0340



29.2121, 51.2824, 31.7546



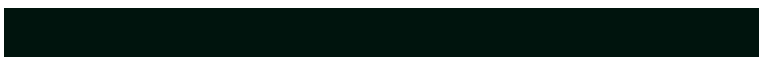
17.4902, 23.8197, 40.2365



7.6276, 8.4841, 9.0252



12.5495, 21.9386, 13.9264



0.3288, 0.5432, 0.4624

Inverse Universe

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



16.8068, 8.5639, 5.3258



30.0065, 15.2996, 9.0531



16.1783, 8.6983, 0.8264



7.6420, 7.5867, 8.4319



12.8821, 6.5616, 4.1908



0.3382, 0.1696, 0.2324

Previews

White Background



This preview shows how the XYZ color 16.3685, 28.6574, 18.0333 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 16.3685, 28.6574, 18.0333 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 16.3685, 28.6574, 18.0333

Background



This preview shows how black text looks on a background with the XYZ color 16.3685, 28.6574, 18.0333.



This preview shows how white text looks on a background with the XYZ color 16.3685, 28.6574,

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

16.3685, 28.6574, 18.0333

Protanopia

26.1413, 28.2634, 15.1439

Deuteranopia

28.6794, 28.1590, 18.9626



Tritanopia

21.6482, 28.7046, 43.4293

Trichromacy



Original Color

16.3685, 28.6574, 18.0333



Protanomaly

18.8989, 26.3926, 15.9026



Deuteranomaly

19.6921, 25.7872, 18.4075



Tritanomaly

19.0650, 28.3908, 32.4921

Monochromacy



Original Color

16.3685, 28.6574, 18.0333



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.3489, 18.6174, 17.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3685, 28.6574, 18.0333 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, 167, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 105)  
}
```

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, 167, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 105) }
```

Border

The CSS property to change the border of an element to XYZ 16.3685, 28.6574, 18.0333 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, 167, 105) }
```


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

```
.border{ border-color:rgb(0, 167, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3685, 28.6574, 18.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 105) }
```

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

```
.background{ background-color: rgb(0, 167,  
105) }
```

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