

Converting Colors

XYZ(18.7270, 30.1872, 28.6447)

Have a look what the booklet for
XYZ(18.7270, 30.1872, 28.6447)
contains.

XYZ(18.7033, 30.1821, 28.5069)	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(18.7033, 30.1821,
28.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	00A989
RGB	0, 169, 137
RGB Percent	0%, 66%, 54%
CMY	0.9999, 0.3372, 0.4627
CMYK	1.00, 0.00, 0.19, 0.34
HSL	169°, 100%, 33%
HSV	169°, 100%, 66%
XYZ	18.7033, 30.1821, 28.5069
YIQ	114.8210, -90.4520, -45.7800

Conversions

Conversions Part 2

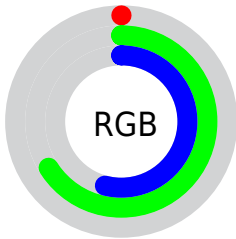
Format	Color
RYB	0, 93, 169
Decimal	43401
CIELab	61.81, -44.57, 6.21
CIELCh	62, 44.999, 172.066
Yxy	30.1821, 0.2417, 0.3900
Android (android.graphics.Color)	4278233481 (0xFF00A989)
YUV	114.8210, 10.9342, -100.6980
Hunter-Lab	54.9382, -35.3730, 7.6918

Details

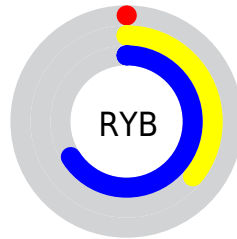
The XYZ color **18.7033, 30.1821, 28.5069** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.6239, 8.5400, 2.1399**, and the grayscale version is **16.2308, 17.0760, 18.5958**.

A 20% lighter version of the original color is **40.7337, 59.8953, 58.1293**, and **7.9657, 13.1789, 11.1408** is the 20% darker color. If you saturate the color by 10%, you get **18.7038, 30.1831, 28.5065**, and if you desaturate by 10%, it is **19.1667, 30.3948, 29.7457**.

Distribution



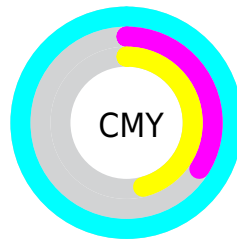
- Red (0%)
- Green (66%)
- Blue (54%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7033, 30.1821, 28.5069 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 18.7033, 30.1821, 28.5069 by changing the saturation by 10% instead.


 18.7033, 30.1821,
28.5069


 18.7033, 30.1821,
28.5069


237.7756,
302.7523, 308.8690


 11.5588, 19.9768,
18.4658


 40.7529, 59.9500,
58.3255


 6.5141, 12.3782,
11.1120


 56.3887, 80.2815,
78.9401


 3.2037, 7.0018,
6.0271


 75.5857, 104.7572,
103.9162

 1.2624, 3.4632,
2.7925

 98.7092, 133.7615,
133.6724

 0.1548, 1.3781,
0.9897

 126.1246,
167.6787, 168.6273

 0.0000, 0.2005,
0.0000

 158.1972,

 0.0000, 0.0000,

206.8933, 209.1993

0.0000

195.2924,
251.7898, 255.8070

■ 18.7033, 30.1821,
28.5069

■ 18.7033, 30.1821,
28.5069

■ 18.7038, 30.1831,
28.5065

■ 19.1667, 30.3948,
29.7457

■ 19.8306, 30.7093,
31.0290

■ 20.7748, 31.1676,
32.3616

■ 22.0349, 31.7878,
33.7454

■ 23.6411, 32.5857,
35.1822

■ 25.6201, 33.5750,
36.6734

■ 27.9960, 34.7680,
38.2205

■ 30.7906, 36.1761,
39.8248

■ 34.0244, 37.8097,
41.4875

Harmonies

Analogous

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



20.5097, 30.1821, 16.4378



18.7033, 30.1821, 28.5069



19.2616, 30.1821, 46.9179

Triad

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



18.7033, 30.1821, 28.5069



33.2474, 30.1821, 74.0237



36.3871, 30.1821, 13.0725

Complementary

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



18.7033, 30.1821, 28.5069



16.6239, 8.5400, 2.1399

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.



40.7739, 30.1821, 21.9394



18.7033, 30.1821, 28.5069



38.7922, 30.1821, 57.6723

Square

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



18.7033, 30.1821, 28.5069



27.1228, 30.1821, 77.7015



41.7105, 30.1821, 37.6421



30.3106, 30.1821, 9.7865

Rectangle

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



18.7033, 30.1821, 28.5069



20.9407, 30.1821, 60.3714



41.7105, 30.1821, 37.6421



38.1413, 30.1821, 15.3133

Sweetspot

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



18.7041, 30.1833, 28.5076



49.8863, 62.1390, 68.2946



14.8421, 28.7139, 4.7605



10.4837, 13.3479, 14.6397



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.



18.7041, 30.1833, 28.5076



33.4228, 54.0249, 50.6653



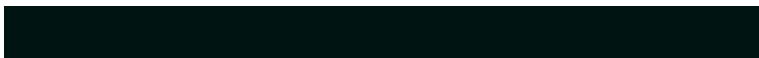
13.6765, 15.8939, 39.8845



7.6857, 8.5073, 9.3311



13.9578, 22.5019, 21.3426



0.3549, 0.5536, 0.5997

Inverse Universe

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



16.6239, 8.5400, 2.1399



29.7133, 15.2705, 3.5280



17.5341, 10.7779, 1.1566



7.5870, 7.5647, 8.1424



12.4044, 6.3705, 1.6749



0.3179, 0.1614, 0.1253

Previews

White Background



This preview shows how the XYZ color 18.7033, 30.1821, 28.5069 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.7033, 30.1821, 28.5069 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

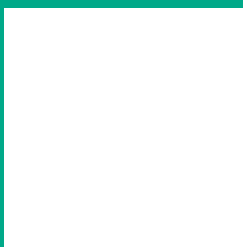
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7033, 30.1821, 28.5069

Background



This preview shows how black text looks on a background with the XYZ color 18.7033, 30.1821, 28.5069.

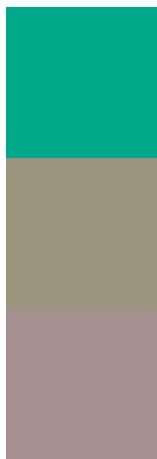


This preview shows how white text looks on a background with the XYZ color 18.7033, 30.1821,

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

18.7033, 30.1821, 28.5069

Protanopia

28.0661, 29.7541, 24.0025

Deuteranopia

30.2974, 29.6274, 30.1084



Tritanopia

22.5267, 30.4034, 46.2761

Trichromacy



Original Color

18.7033, 30.1821, 28.5069



Protanomaly

21.0633, 28.0413, 25.4214



Deuteranomaly

21.8617, 27.3828, 29.3325



Tritanomaly

20.7535, 30.1881, 38.9155

Monochromacy



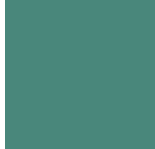
Original Color

18.7033, 30.1821, 28.5069



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.9868, 20.1745, 21.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7033, 30.1821, 28.5069 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 137) }
```

Border

The CSS property to change the border of an element to XYZ 18.7033, 30.1821, 28.5069 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, 137) }
```


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

```
.border{ border-color:rgb(0, 169, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7033, 30.1821, 28.5069 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, 137) }
```

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

```
.background{ background-color: rgb(0, 169,  
137) }
```

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