

Converting Colors

XYZ(16.7761, 28.4615, 27.7801)

Have a look what the booklet for
XYZ(16.7761, 28.4615, 27.7801)
contains.

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Color

**XYZ(18.0802, 29.0500,
27.9468)**

Conversions

Conversions Part 1

Format	Color
Hex	00A688
RGB	0, 166, 136
RGB Percent	0%, 65%, 53%
CMY	0.9999, 0.3490, 0.4667
CMYK	1.00, 0.00, 0.18, 0.35
HSL	169°, 100%, 33%
HSV	169°, 100%, 65%
XYZ	18.0802, 29.0500, 27.9468
YIQ	112.9460, -89.3060, -44.5220

Conversions

Conversions Part 2

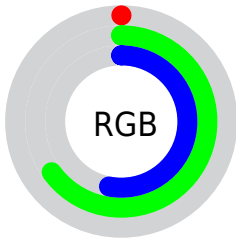
Format	Color
RYB	0, 91, 166
Decimal	42632
CIELab	60.83, -43.59, 5.36
CIELCh	61, 43.916, 172.995
Yxy	29.0500, 0.2408, 0.3869
Android (android.graphics.Color)	4278232712 (0xFF00A688)
YUV	112.9460, 11.3656, -99.0536
Hunter-Lab	53.8981, -34.4434, 6.9860

Details

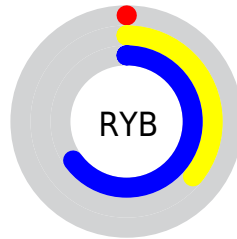
The XYZ color **18.0802, 29.0500, 27.9468** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.9614, 8.2017, 1.9719**, and the grayscale version is **15.6689, 16.4849, 17.9520**.

A 20% lighter version of the original color is **39.7202, 58.1920, 57.2828**, and **7.5848, 12.4821, 10.8136** is the 20% darker color. If you saturate the color by 10%, you get **18.0804, 29.0508, 27.9458**, and if you desaturate by 10%, it is **18.5215, 29.2532, 29.0971**.

Distribution



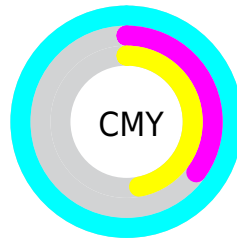
- Red (0%)
- Green (65%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0802, 29.0500, 27.9468 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 18.0802, 29.0500, 27.9468 by changing the saturation by 10% instead.

■ 18.0802, 29.0500,
27.9468

■ 18.0802, 29.0500,
27.9468

■ 234.3596,
297.4508, 306.1166

■ 11.1076, 19.1186,
18.0469

■ 39.7029, 58.1565,
57.4216

■ 6.2071, 11.7560,
10.8139

■ 55.0838, 78.1005,
77.8335

■ 3.0133, 6.5778,
5.8292

■ 73.9982, 102.1507,
102.5865

■ 1.1608, 3.1995,
2.6744

■ 96.8114, 130.6917,
132.0991

■ 0.0751, 1.2367,
0.9305

■ 123.8887,
164.1079, 166.7899

■ 0.0000, 0.0914,
0.0000

■ 155.5957,

■ 0.0000, 0.0000,

202.7835, 207.0774

0.0000

192.2975,
247.1030, 253.3801

■ 18.0802, 29.0500,
27.9468

■ 18.0802, 29.0500,
27.9468

■ 18.0804, 29.0508,
27.9458

■ 18.5215, 29.2532,
29.0971

■ 19.1538, 29.5535,
30.2870

■ 20.0546, 29.9915,
31.5212

■ 21.2578, 30.5847,
32.8015

■ 22.7925, 31.3480,
34.1294

■ 24.6841, 32.2947,
35.5064

■ 26.9556, 33.4364,
36.9338

■ 29.6279, 34.7841,
38.4129

■ 32.7207, 36.3478,
39.9446

Harmonies

Analogous

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



19.7349, 29.0500, 16.2222



18.0802, 29.0500, 27.9468



18.6832, 29.0500, 45.5812

Triad

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



18.0802, 29.0500, 27.9468



32.1287, 29.0500, 70.3291



34.7647, 29.0500, 12.5714

Complementary

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



18.0802, 29.0500, 27.9468



15.9614, 8.2017, 1.9719

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.



39.0081, 29.0500, 20.8634



18.0802, 29.0500, 27.9468



37.3456, 29.0500, 54.5961

Square

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



18.0802, 29.0500, 27.9468



26.2930, 29.0500, 74.2588



40.0124, 29.0500, 35.6245



28.9726, 29.0500, 9.5530

Rectangle

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



18.0802, 29.0500, 27.9468



20.3306, 29.0500, 58.3007



40.0124, 29.0500, 35.6245



36.4504, 29.0500, 14.6614

Sweetspot

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



18.0810, 29.0511, 27.9475



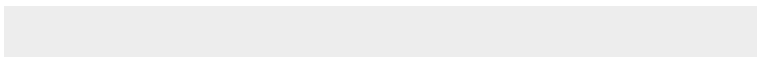
48.6650, 60.5534, 66.8784



14.1856, 27.5563, 4.5720



10.5006, 13.3547, 14.7289



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.



18.0810, 29.0511, 27.9475



32.7414, 52.6941, 50.3395



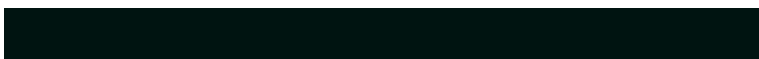
12.8382, 14.6628, 38.2312



7.6885, 8.5084, 9.3458



14.0356, 22.5330, 21.7522



0.3562, 0.5541, 0.6068

Inverse Universe

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



15.9614, 8.2017, 1.9719



28.9102, 14.8611, 3.2798



16.9808, 10.6158, 1.1548



7.5844, 7.5636, 8.1289



12.3894, 6.3645, 1.5963



0.3169, 0.1610, 0.1203

Previews

White Background



This preview shows how the XYZ color 18.0802, 29.0500, 27.9468 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 18.0802, 29.0500, 27.9468 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 18.0802, 29.0500, 27.9468

Background



This preview shows how black text looks on a background with the XYZ color 18.0802, 29.0500, 27.9468.

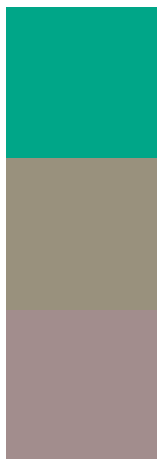


This preview shows how white text looks on a background with the XYZ color 18.0802, 29.0500,

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

18.0802, 29.0500, 27.9468

Protanopia

26.9639, 28.5038, 23.4827

Deuteranopia

29.2329, 28.6542, 29.1894



Tritanopia

21.6515, 29.1987, 44.5392

Trichromacy



Original Color

18.0802, 29.0500, 27.9468



Protanomaly

20.2834, 26.9088, 24.8938



Deuteranomaly

21.1601, 26.5603, 28.4375



Tritanomaly

20.0074, 29.0238, 37.8053

Monochromacy



Original Color

18.0802, 29.0500, 27.9468



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.3749, 19.2607, 21.0492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0802, 29.0500, 27.9468 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, 166, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 136)  
}
```

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, 166, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 136) }
```

Border

The CSS property to change the border of an element to XYZ 18.0802, 29.0500, 27.9468 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, 166, 136) }
```


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

```
.border{ border-color:rgb(0, 166, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0802, 29.0500, 27.9468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 136) }
```

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

```
.background{ background-color: rgb(0, 166,  
136) }
```

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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