

Converting Colors

XYZ(17.4302, 29.3190, 27.6118)

Have a look what the booklet for
XYZ(17.4302, 29.3190, 27.6118)
contains.

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Color

**XYZ(18.3758, 29.7545,
27.6964)**

Conversions

Conversions Part 1

Format	Color
Hex	00A887
RGB	0, 168, 135
RGB Percent	0%, 66%, 53%
CMY	0.9999, 0.3412, 0.4706
CMYK	1.00, 0.00, 0.20, 0.34
HSL	168°, 100%, 33%
HSV	168°, 100%, 66%
XYZ	18.3758, 29.7545, 27.6964
YIQ	114.0060, -89.5350, -45.8790

Conversions

Conversions Part 2

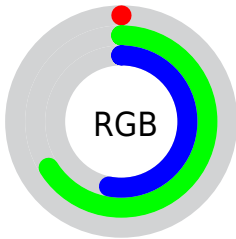
Format	Color
RYB	0, 93, 168
Decimal	43143
CIELab	61.44, -44.68, 6.80
CIELCh	61, 45.199, 171.349
Yxy	29.7545, 0.2423, 0.3924
Android (android.graphics.Color)	4278233223 (0xFF00A887)
YUV	114.0060, 10.3500, -99.9833
Hunter-Lab	54.5477, -35.3261, 8.0791

Details

The XYZ color **18.3758, 29.7545, 27.6964** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.4240, 8.4354, 2.2029**, and the grayscale version is **15.9872, 16.8198, 18.3168**.

A 20% lighter version of the original color is **40.1464, 59.2175, 56.8911**, and **7.7704, 12.9173, 10.6781** is the 20% darker color. If you saturate the color by 10%, you get **18.3761, 29.7554, 27.6957**, and if you desaturate by 10%, it is **18.8404, 29.9675, 28.9509**.

Distribution



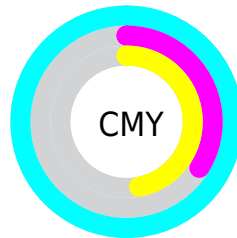
- Red (0%)
- Green (66%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3758, 29.7545, 27.6964 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 18.3758, 29.7545, 27.6964 by changing the saturation by 10% instead.

■ 18.3758, 29.7545,
27.6964

■ 18.3758, 29.7545,
27.6964

■ 235.9856,
300.7584, 304.8795

■ 11.3214, 19.6523,
17.8599

■ 40.2017, 59.2737,
57.0166

■ 6.3524, 12.1426,
10.6810

■ 55.7040, 79.4595,
77.3374

■ 3.1032, 6.8408,
5.7413

■ 74.7530, 103.7754,
101.9900

■ 1.2086, 3.3628,
2.6222

■ 97.7140, 132.6056,
131.3930

■ 0.1131, 1.3239,
0.9039

■ 124.9524,
166.3346, 165.9649

■ 0.0000, 0.1596,
0.0000

■ 156.8336,

■ 0.0000, 0.0000,

205.3469, 206.1243

0.0000

193.7229,
250.0267, 252.2896

■ 18.3758, 29.7545,
27.6964

■ 18.3758, 29.7545,
27.6964

■ 18.3761, 29.7554,
27.6957

■ 18.8404, 29.9675,
28.9509

■ 19.5030, 30.2809,
30.2519

■ 20.4426, 30.7364,
31.6041

■ 21.6944, 31.3519,
33.0096

■ 23.2880, 32.1427,
34.4699

■ 25.2498, 33.1226,
35.9868

■ 27.6035, 34.3035,
37.5615

■ 30.3707, 35.6967,
39.1954

■ 33.5715, 37.3126,
40.8897

Harmonies

Analogous

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



20.2242, 29.7545, 15.8867



18.3758, 29.7545, 27.6964



18.8736, 29.7545, 45.9119

Triad

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



18.3758, 29.7545, 27.6964



32.6726, 29.7545, 73.7183



36.0799, 29.7545, 12.8971

Complementary

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



18.3758, 29.7545, 27.6964



16.4240, 8.4354, 2.2029

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.



40.3868, 29.7545, 21.8354



18.3758, 29.7545, 27.6964



38.2348, 29.7545, 57.5979

Square

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



18.3758, 29.7545, 27.6964



26.5877, 29.7545, 77.0246



41.2265, 29.7545, 37.6028



30.0442, 29.7545, 9.5419

Rectangle

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



18.3758, 29.7545, 27.6964



20.5035, 29.7545, 59.3570



41.2265, 29.7545, 37.6028



37.8113, 29.7545, 15.1602

Sweetspot

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



18.3766, 29.7557, 27.6971



49.8294, 62.1163, 67.9952



14.6503, 28.3398, 4.6985



10.4698, 13.3424, 14.5666



80.6108, 84.8088, 92.3568



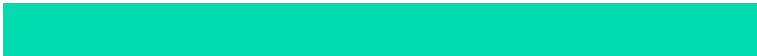
14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3766, 29.7557, 27.6971



33.2679, 53.9629, 49.8498



13.5007, 15.6920, 39.3643



7.6834, 8.5064, 9.3191



13.8947, 22.4766, 21.0099



0.3538, 0.5531, 0.5938

Inverse Universe

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



16.4240, 8.4354, 2.2029



29.7413, 15.2817, 3.6755



17.3075, 10.6419, 1.1424



7.5891, 7.5655, 8.1535



12.4171, 6.3756, 1.7422



0.3187, 0.1617, 0.1295

Previews

White Background



This preview shows how the XYZ color 18.3758, 29.7545, 27.6964 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 18.3758, 29.7545, 27.6964 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 18.3758, 29.7545, 27.6964

Background



This preview shows how black text looks on a background with the XYZ color 18.3758, 29.7545, 27.6964.

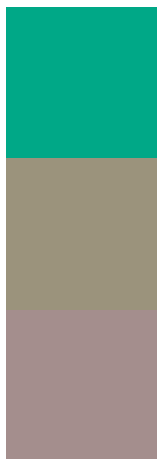


This preview shows how white text looks on a background with the XYZ color 18.3758, 29.7545,

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

18.3758, 29.7545, 27.6964

Protanopia

27.5894, 29.2912, 23.2684

Deuteranopia

29.7906, 29.1616, 29.2579



Tritanopia

22.0722, 29.6534, 45.6346

Trichromacy



Original Color

18.3758, 29.7545, 27.6964



Protanomaly

20.7632, 27.6539, 24.6655



Deuteranomaly

21.4357, 26.9404, 28.4963



Tritanomaly

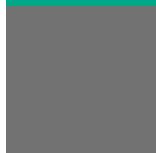
20.3041, 29.4312, 38.3289

Monochromacy



Original Color

18.3758, 29.7545, 27.6964



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.7856, 19.8718, 21.4687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3758, 29.7545, 27.6964 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, 168, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 135)  
}
```

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, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 135) }
```

Border

The CSS property to change the border of an element to XYZ 18.3758, 29.7545, 27.6964 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, 168, 135) }
```


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

```
.border{ border-color:rgb(0, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3758, 29.7545, 27.6964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 135) }
```

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

```
.background{ background-color: rgb(0, 168,  
135) }
```

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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