

Converting Colors

XYZ(8.5166, 23.9579, 27.5421)

Have a look what the booklet for
XYZ(8.5166, 23.9579, 27.5421)
contains.

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Color

**XYZ(17.8991, 28.6878,
27.8865)**

Conversions

Conversions Part 1

Format	Color
Hex	00A588
RGB	0, 165, 136
RGB Percent	0%, 65%, 53%
CMY	0.9999, 0.3529, 0.4667
CMYK	1.00, 0.00, 0.18, 0.35
HSL	169°, 100%, 32%
HSV	169°, 100%, 65%
XYZ	17.8991, 28.6878, 27.8865
YIQ	112.3590, -89.0310, -43.9990

Conversions

Conversions Part 2

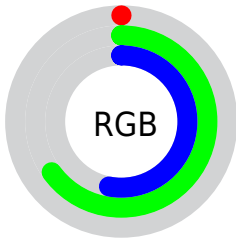
Format	Color
RYB	0, 90, 165
Decimal	42376
CIELab	60.51, -43.17, 4.89
CIELCh	61, 43.446, 173.532
Yxy	28.6878, 0.2403, 0.3852
Android (android.graphics.Color)	4278232456 (0xFF00A588)
YUV	112.3590, 11.6550, -98.5388
Hunter-Lab	53.5610, -34.0803, 6.6234

Details

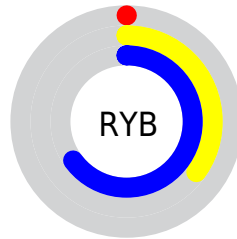
The XYZ color **17.8991, 28.6878, 27.8865** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.7399, 8.0889, 1.8958**, and the grayscale version is **15.4946, 16.3015, 17.7523**.

A 20% lighter version of the original color is **39.3561, 57.6112, 57.1899**, and **7.4739, 12.2602, 10.7766** is the 20% darker color. If you saturate the color by 10%, you get **17.8993, 28.6886, 27.8856**, and if you desaturate by 10%, it is **18.3314, 28.8872, 28.9982**.

Distribution



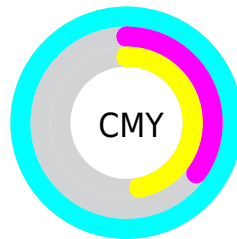
- Red (0%)
- Green (65%)
- Blue (53%)



- Red (0%)
- Yellow (35%)
- 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 17.8991, 28.6878, 27.8865 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 17.8991, 28.6878, 27.8865 by changing the saturation by 10% instead.

■ 17.8991, 28.6878,
27.8865

■ 17.8991, 28.6878,
27.8865

■ 233.3583,
295.7391, 305.8190

■ 10.9768, 18.8448,
18.0018

■ 39.3968, 57.5807,
57.3241

■ 6.1184, 11.5582,
10.7818

■ 54.7028, 77.3993,
77.7141

■ 2.9586, 6.4436,
5.8080

■ 73.5342, 101.3120,
102.4430

■ 1.1319, 3.1166,
2.6618

■ 96.2563, 129.7030,
131.9292

■ 0.0515, 1.1929,
0.9241

■ 123.2344,
162.9569, 166.5914

■ 0.0000, 0.0559,
0.0000

■ 154.8338,

■ 0.0000, 0.0000,

201.4579, 206.8481

0.0000

191.4200,
245.5905, 253.1178

■ 17.8991, 28.6878,
27.8865

■ 17.8991, 28.6878,
27.8865

■ 17.8993, 28.6886,
27.8856

■ 18.3314, 28.8872,
28.9982

■ 18.9512, 29.1819,
30.1473

■ 19.8356, 29.6124,
31.3385

■ 21.0180, 30.1958,
32.5733

■ 22.5268, 30.9469,
33.8535

■ 24.3872, 31.8785,
35.1803

■ 26.6218, 33.0024,
36.5551

■ 29.2512, 34.3291,
37.9790

■ 32.2947, 35.8686,
39.4531

Harmonies

Analogous

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



19.4860, 28.6878, 16.2479



17.8991, 28.6878, 27.8865



18.5315, 28.6878, 45.2506

Triad

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



17.8991, 28.6878, 27.8865



31.8000, 28.6878, 68.9397



34.1873, 28.6878, 12.4092

Complementary

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



17.8991, 28.6878, 27.8865



15.7399, 8.0889, 1.8958

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.



38.3893, 28.6878, 20.4627



17.8991, 28.6878, 27.8865



36.8843, 28.6878, 53.4073

Square

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



17.8991, 28.6878, 27.8865



26.0707, 28.6878, 73.0362



39.4384, 28.6878, 34.8438



28.4991, 28.6878, 9.5099

Rectangle

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



17.8991, 28.6878, 27.8865



20.1761, 28.6878, 57.6815



39.4384, 28.6878, 34.8438



35.8503, 28.6878, 14.4358

Sweetspot

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



17.8999, 28.6889, 27.8872



47.4319, 58.9800, 65.3243



13.9990, 27.1913, 4.5113



10.0060, 12.7112, 14.0647



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.8999, 28.6889, 27.8872



31.9879, 51.3507, 49.5841



12.6704, 14.4735, 37.7243



7.2224, 7.9898, 8.7831



13.5570, 21.7091, 21.1813



0.2981, 0.4614, 0.5146

Inverse Universe

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



15.7399, 8.0889, 1.8958



28.1343, 14.4640, 3.1135



16.7576, 10.4795, 1.1402



7.1222, 7.1054, 7.6302



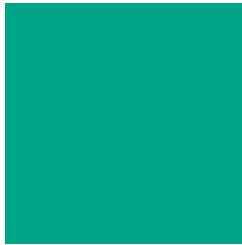
11.9203, 6.1242, 1.5050



0.2638, 0.1340, 0.1021

Previews

White Background



This preview shows how the XYZ color 17.8991, 28.6878, 27.8865 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 17.8991, 28.6878, 27.8865 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 17.8991, 28.6878, 27.8865

Background



This preview shows how black text looks on a background with the XYZ color 17.8991, 28.6878, 27.8865.

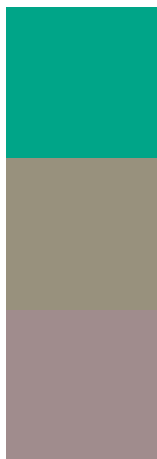


This preview shows how white text looks on a background with the XYZ color 17.8991, 28.6878,

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

17.8991, 28.6878, 27.8865

Protanopia

26.7760, 28.4069, 23.4739

Deuteranopia

28.6830, 28.1528, 29.1216



Tritanopia

21.3326, 28.7871, 43.9673

Trichromacy



Original Color

17.8991, 28.6878, 27.8865

Protanomaly

20.1204, 26.5828, 24.8394

Deuteranomaly

20.8871, 26.1838, 28.3792

Tritanomaly

19.8306, 28.6700, 37.7464

Monochromacy



Original Color

17.8991, 28.6878, 27.8865

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.1660, 18.9527, 21.0008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8991, 28.6878, 27.8865 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, 165, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 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, 165, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 136) }
```

Border

The CSS property to change the border of an element to XYZ 17.8991, 28.6878, 27.8865 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, 165, 136) }
```


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

```
.border{ border-color:rgb(0, 165, 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, 165, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8991, 28.6878, 27.8865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 136) }
```

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

```
.background{ background-color: rgb(0, 165,  
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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