

Converting Colors

XYZ(14.4538, 26.4209, 29.0736)

Have a look what the booklet for
XYZ(14.4538, 26.4209, 29.0736)
contains.

XYZ(17.8308, 28.0878, 29.2927)	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(17.8308, 28.0878,
29.2927)**

Conversions

Conversions Part 1

Format	Color
Hex	00A38C
RGB	0, 163, 140
RGB Percent	0%, 64%, 55%
CMY	0.9999, 0.3608, 0.4510
CMYK	1.00, 0.00, 0.14, 0.36
HSL	172°, 100%, 32%
HSV	172°, 100%, 64%
XYZ	17.8308, 28.0878, 29.2927
YIQ	111.6410, -89.7650, -41.7090

Conversions

Conversions Part 2

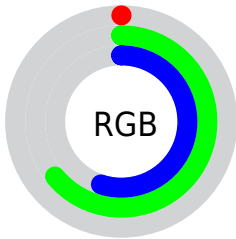
Format	Color
RYB	0, 88, 163
Decimal	41868
CIELab	59.97, -41.22, 1.87
CIELCh	60, 41.261, 177.405
Yxy	28.0878, 0.2371, 0.3735
Android (android.graphics.Color)	4278231948 (0xFF00A38C)
YUV	111.6410, 13.9810, -97.9092
Hunter-Lab	52.9979, -32.6912, 4.3281

Details

The XYZ color **17.8308, 28.0878, 29.2927** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.2598, 7.8492, 1.5224**, and the grayscale version is **15.2772, 16.0728, 17.5033**.

A 20% lighter version of the original color is **39.2715, 56.7374, 59.3337**, and **7.4214, 11.8900, 11.5767** is the 20% darker color. If you saturate the color by 10%, you get **17.8312, 28.0887, 29.2923**, and if you desaturate by 10%, it is **18.2220, 28.2703, 30.2065**.

Distribution



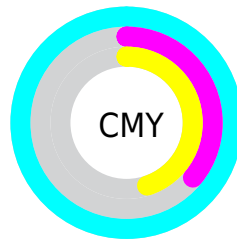
- Red (0%)
- Green (64%)
- Blue (55%)



- Red (0%)
- Yellow (35%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8308, 28.0878, 29.2927 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 17.8308, 28.0878, 29.2927 by changing the saturation by 10% instead.


 17.8308, 28.0878,
29.2927


 17.8308, 28.0878,
29.2927


232.9797,
292.8862, 312.6975


 10.9275, 18.3919,
19.0549


 39.2811, 56.6246,
59.5895


 6.0851, 11.2317,
11.5327


 54.5589, 76.2342,
80.4856


 2.9380, 6.2229,
6.3077


 73.3589, 99.9172,
105.7715

 1.1211, 2.9811,
2.9613

 96.0465, 128.0579,
135.8658

 0.0426, 1.1219,
1.0749

 122.9870,
161.0408, 171.1870

 0.0000, 0.0000,
0.0000

 154.5458,

199.2502, 212.1537

191.0883,
243.0706, 259.1843

■ 17.8308, 28.0878,
29.2927

■ 17.8308, 28.0878,
29.2927

■ 17.8312, 28.0887,
29.2923

■ 18.2220, 28.2703,
30.2065

■ 18.7929, 28.5444,
31.1466

■ 19.6192, 28.9498,
32.1175

■ 20.7332, 29.5030,
33.1207

■ 22.1626, 30.2184,
34.1576

■ 23.9317, 31.1085,
35.2294

■ 26.0624, 32.1846,
36.3373

■ 28.5747, 33.4570,
37.4824

■ 31.4874, 34.9354,
38.6655

Harmonies

Analogous

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



19.0648, 28.0878, 17.5057



17.8308, 28.0878, 29.2927



18.7021, 28.0878, 45.9081

Triad

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



17.8308, 28.0878, 29.2927



31.6163, 28.0878, 64.0870



32.5106, 28.0878, 12.1234

Complementary

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



17.8308, 28.0878, 29.2927



15.2598, 7.8492, 1.5224

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.



36.6957, 28.0878, 19.1154



17.8308, 28.0878, 29.2927



36.1336, 28.0878, 48.9444

Square

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



17.8308, 28.0878, 29.2927



26.2422, 28.0878, 69.4953



38.1006, 28.0878, 31.9103



27.1562, 28.0878, 9.8429

Rectangle

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



17.8308, 28.0878, 29.2927



20.4322, 28.0878, 57.1752



38.1006, 28.0878, 31.9103



34.1261, 28.0878, 13.8588

Sweetspot

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



17.8316, 28.0889, 29.2934



46.4394, 57.5195, 64.9607



13.4856, 26.3953, 4.3846



10.0715, 12.7374, 14.4096



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.



17.8316, 28.0889, 29.2934



31.8769, 50.2805, 52.1623



11.7611, 12.9440, 36.5301



7.2329, 7.9940, 8.8384



13.8703, 21.8344, 22.8311



0.3025, 0.4632, 0.5379

Inverse Universe

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



15.2598, 7.8492, 1.5224



27.2833, 14.0382, 2.4912



16.5711, 10.7194, 1.1962



7.1126, 7.1015, 7.5794



11.8697, 6.1039, 1.2386



0.2605, 0.1327, 0.0842

Previews

White Background



This preview shows how the XYZ color 17.8308, 28.0878, 29.2927 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 17.8308, 28.0878, 29.2927 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 17.8308, 28.0878, 29.2927

Background



This preview shows how black text looks on a background with the XYZ color 17.8308, 28.0878, 29.2927.

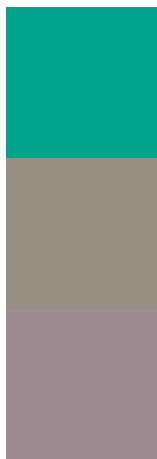


This preview shows how white text looks on a background with the XYZ color 17.8308, 28.0878,

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

17.8308, 28.0878, 29.2927

Protanopia

26.3626, 27.7139, 24.7287

Deuteranopia

28.2481, 27.6777, 30.6416



Tritanopia

20.8310, 28.2944, 42.8915

Trichromacy



Original Color

17.8308, 28.0878, 29.2927

Protanomaly

19.8593, 25.9390, 26.1503

Deuteranomaly

20.8034, 25.8723, 29.8840

Tritanomaly

19.4227, 27.9409, 37.6272

Monochromacy



Original Color

17.8308, 28.0878, 29.2927

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2277, 18.9773, 21.3255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8308, 28.0878, 29.2927 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, 163, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 140)  
}
```

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, 163, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 140) }
```

Border

The CSS property to change the border of an element to XYZ 17.8308, 28.0878, 29.2927 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, 163, 140) }
```


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

```
.border{ border-color:rgb(0, 163, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8308, 28.0878, 29.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 140) }
```

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

```
.background{ background-color: rgb(0, 163,  
140) }
```

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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