

Converting Colors

XYZ(17.9444, 28.1901, 29.7155)

Have a look what the booklet for
XYZ(17.9444, 28.1901, 29.7155)
contains.

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Color

**XYZ(17.9049, 28.1175,
29.6828)**

Conversions

Conversions Part 1

Format	Color
Hex	00A38D
RGB	0, 163, 141
RGB Percent	0%, 64%, 55%
CMY	0.9999, 0.3608, 0.4471
CMYK	1.00, 0.00, 0.13, 0.36
HSL	172°, 100%, 32%
HSV	172°, 100%, 64%
XYZ	17.9049, 28.1175, 29.6828
YIQ	111.7550, -90.0860, -41.3980

Conversions

Conversions Part 2

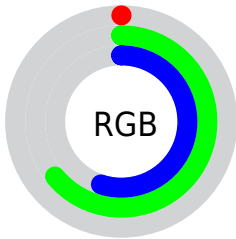
Format	Color
RYB	0, 87, 163
Decimal	41869
CIELab	59.99, -40.94, 1.34
CIElCh	60, 40.960, 178.120
Yxy	28.1175, 0.2365, 0.3714
Android (android.graphics.Color)	4278231949 (0xFF00A38D)
YUV	111.7550, 14.4178, -98.0091
Hunter-Lab	53.0259, -32.5225, 3.9289

Details

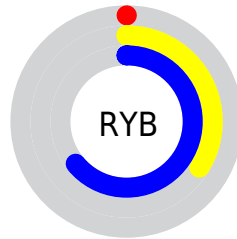
The XYZ color **17.9049, 28.1175, 29.6828** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.2500, 7.8452, 1.4706**, and the grayscale version is **15.3093, 16.1066, 17.5401**.

A 20% lighter version of the original color is **39.4962, 56.8273, 60.5169**, and **7.4643, 11.9072, 11.8024** is the 20% darker color. If you saturate the color by 10%, you get **17.9053, 28.1184, 29.6825**, and if you desaturate by 10%, it is **18.2900, 28.2976, 30.5647**.

Distribution



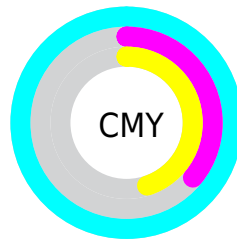
- Red (0%)
- Green (64%)
- Blue (55%)



- Red (0%)
- Yellow (34%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9049, 28.1175, 29.6828 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 17.9049, 28.1175, 29.6828 by changing the saturation by 10% instead.

■ 17.9049, 28.1175,
29.6828

■ 17.9049, 28.1175,
29.6828

■ 233.3904,
293.0279, 314.5843

■ 10.9810, 18.4143,
19.3479

■ 39.4066, 56.6720,
60.2152

■ 6.1213, 11.2478,
11.7426

■ 54.7150, 76.2920,
81.2499

■ 2.9603, 6.2338,
6.4483

■ 73.5491, 99.9864,
106.6883

■ 1.1328, 2.9877,
3.0464

■ 96.2741, 128.1396,
136.9489

■ 0.0523, 1.1253,
1.1184

■ 123.2554,
161.1359, 172.4502

■ 0.0000, 0.0000,
0.0000

■ 154.8583,

199.3598, 213.6109

191.4482,
243.1957, 260.8494

■ 17.9049, 28.1175,
29.6828

■ 17.9049, 28.1175,
29.6828

■ 17.9053, 28.1184,
29.6825

■ 18.2900, 28.2976,
30.5647

■ 18.8546, 28.5692,
31.4715

■ 19.6743, 28.9718,
32.4074

■ 20.7813, 29.5223,
33.3740

■ 22.2035, 30.2348,
34.3728

■ 23.9650, 31.1219,
35.4048

■ 26.0878, 32.1948,
36.4714

■ 28.5919, 33.4640,
37.5734

■ 31.4961, 34.9389,
38.7119

Harmonies

Analogous

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



19.0836, 28.1175, 17.8169



17.9049, 28.1175, 29.6828



18.8221, 28.1175, 46.2395

Triad

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



17.9049, 28.1175, 29.6828



31.7340, 28.1175, 63.5618



32.3771, 28.1175, 12.1336

Complementary

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



17.9049, 28.1175, 29.6828



15.2500, 7.8452, 1.4706

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.



36.5779, 28.1175, 18.9786



17.9049, 28.1175, 29.6828



36.1740, 28.1175, 48.4208

Square

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



17.9049, 28.1175, 29.6828



26.3973, 28.1175, 69.2118



38.0494, 28.1175, 31.5669



27.0551, 28.1175, 9.9508

Rectangle

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



17.9049, 28.1175, 29.6828



20.5752, 28.1175, 57.3543



38.0494, 28.1175, 31.5669



33.9918, 28.1175, 13.8274

Sweetspot

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



17.9057, 28.1186, 29.6835



46.4858, 57.5381, 65.2050



13.4856, 26.3953, 4.3846



10.0832, 12.7421, 14.4712



78.6606, 82.7571, 90.1225



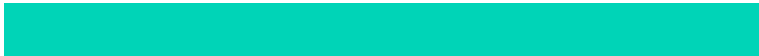
14.0027, 14.7319, 16.0430

Same Dimension

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



17.9057, 28.1186, 29.6835



32.0116, 50.3344, 52.8712



11.7610, 12.9440, 36.5302



7.2348, 7.9947, 8.8482



13.9274, 21.8573, 23.1319



0.3033, 0.4635, 0.5421

Inverse Universe

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



15.2500, 7.8452, 1.4706



27.2671, 14.0317, 2.4060



16.5711, 10.7193, 1.1962



7.1109, 7.1008, 7.5704



11.8617, 6.1008, 1.1966



0.2599, 0.1324, 0.0811

Previews

White Background



This preview shows how the XYZ color 17.9049, 28.1175, 29.6828 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 17.9049, 28.1175, 29.6828 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

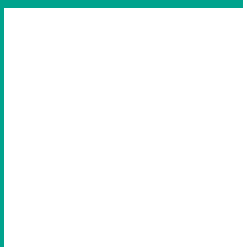
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9049, 28.1175, 29.6828

Background



This preview shows how black text looks on a background with the XYZ color 17.9049, 28.1175, 29.6828.

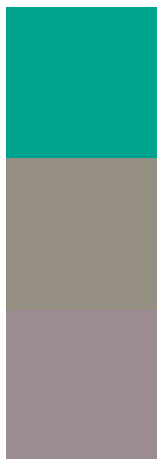


This preview shows how white text looks on a background with the XYZ color 17.9049, 28.1175,

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

17.9049, 28.1175, 29.6828

Protanopia

26.2462, 27.6462, 25.0720

Deuteranopia

28.1312, 27.6085, 31.0404



Tritanopia

20.8832, 28.3103, 43.3935

Trichromacy



Original Color

17.9049, 28.1175, 29.6828

Protanomaly

19.9287, 25.9668, 26.5160

Deuteranomaly

20.7695, 25.8461, 30.2797

Tritanomaly

19.4827, 27.9617, 38.0885

Monochromacy



Original Color

17.9049, 28.1175, 29.6828

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.2900, 19.0023, 21.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9049, 28.1175, 29.6828 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 141) }
```

Border

The CSS property to change the border of an element to XYZ 17.9049, 28.1175, 29.6828 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, 141) }
```


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

```
.border{ border-color:rgb(0, 163, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9049, 28.1175, 29.6828 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, 141) }
```

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

```
.background{ background-color: rgb(0, 163,  
141) }
```

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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