

Converting Colors

XYZ(17.4754, 27.6636, 28.2907)

Have a look what the booklet for
XYZ(17.4754, 27.6636, 28.2907)
contains.

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Color

**XYZ(17.5078, 27.6756,
28.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	00A28A
RGB	0, 162, 138
RGB Percent	0%, 64%, 54%
CMY	0.9999, 0.3647, 0.4588
CMYK	1.00, 0.00, 0.15, 0.36
HSL	171°, 100%, 32%
HSV	171°, 100%, 64%
XYZ	17.5078, 27.6756, 28.4639
YIQ	110.8260, -88.8480, -41.8080

Conversions

Conversions Part 2

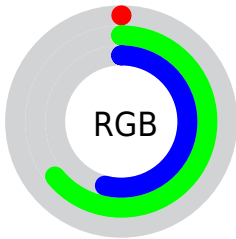
Format	Color
RYB	0, 87, 162
Decimal	41610
CIELab	59.59, -41.35, 2.45
CIELCh	60, 41.421, 176.604
Yxy	27.6756, 0.2377, 0.3758
Android (android.graphics.Color)	4278231690 (0xFF00A28A)
YUV	110.8260, 13.3968, -97.1944
Hunter-Lab	52.6076, -32.6585, 4.7458

Details

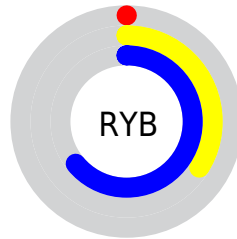
The XYZ color **17.5078, 27.6756, 28.4639** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.0662, 7.7482, 1.5670**, and the grayscale version is **15.0423, 15.8256, 17.2341**.

A 20% lighter version of the original color is **38.7898, 56.1285, 58.0797**, and **7.2301, 11.6419, 11.0986** is the 20% darker color. If you saturate the color by 10%, you get **17.5080, 27.6764, 28.4632**, and if you desaturate by 10%, it is **17.9016, 27.8590, 29.4003**.

Distribution



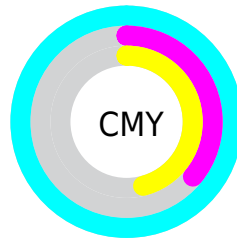
- Red (0%)
- Green (64%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5078, 27.6756, 28.4639 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 17.5078, 27.6756, 28.4639 by changing the saturation by 10% instead.

■ 17.5078, 27.6756,
28.4639

■ 17.5078, 27.6756,
28.4639

■ 231.1816,
290.9135, 308.6584

■ 10.6947, 18.0813,
18.4336

■ 38.7335, 55.9661,
58.2562

■ 5.9277, 11.0083,
11.0891

■ 53.8769, 75.4311,
78.8553

■ 2.8414, 6.0725,
6.0118

■ 72.5277, 98.9550,
103.8143

■ 1.0705, 2.8892,
2.7834

■ 95.0514, 126.9224,
133.5519

■ 0.0002, 1.0742,
0.9851

■ 121.8133,
159.7175, 168.4866

■ 0.0000, 0.0000,
0.0000

■ 153.1787,

197.7248, 209.0369

189.5130,
241.3287, 255.6213

■ 17.5078, 27.6756,
28.4639

■ 17.5078, 27.6756,
28.4639

■ 17.5080, 27.6764,
28.4632

■ 17.9016, 27.8590,
29.4003

■ 18.4726, 28.1326,
30.3646

■ 19.2958, 28.5358,
31.3610

■ 20.4031, 29.0849,
32.3912

■ 21.8216, 29.7941,
33.4564

■ 23.5753, 30.6756,
34.5580

■ 25.6857, 31.7405,
35.6971

■ 28.1728, 32.9992,
36.8748

■ 31.0547, 34.4609,
38.0919

Harmonies

Analogous

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



18.7870, 27.6756, 16.9253



17.5078, 27.6756, 28.4639



18.3162, 27.6756, 44.9177

Triad

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



17.5078, 27.6756, 28.4639



31.0578, 27.6756, 63.8129



32.2219, 27.6756, 11.9492

Complementary

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



17.5078, 27.6756, 28.4639



15.0662, 7.7482, 1.5670

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.



36.3325, 27.6756, 19.0124



17.5078, 27.6756, 28.4639



35.6004, 27.6756, 48.8752

Square

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



17.5078, 27.6756, 28.4639



25.7150, 27.6756, 68.8739



37.6434, 27.6756, 31.8682



26.9036, 27.6756, 9.5908

Rectangle

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



17.5078, 27.6756, 28.4639



19.9971, 27.6756, 56.2014



37.6434, 27.6756, 31.8682



33.8164, 27.6756, 13.7079

Sweetspot

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



17.5086, 27.6767, 28.4646



46.3862, 57.4983, 64.6807



13.3052, 26.0397, 4.3256



10.0581, 12.7320, 14.3390



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.



17.5086, 27.6767, 28.4646



31.7238, 50.2192, 51.3556



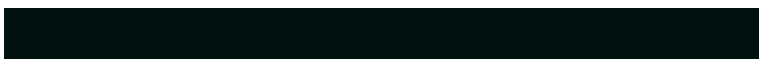
11.6053, 12.7753, 36.0377



7.2308, 7.9931, 8.8271



13.8052, 21.8084, 22.4886



0.3016, 0.4628, 0.5331

Inverse Universe

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



15.0662, 7.7482, 1.5670



27.3027, 14.0459, 2.5936



16.3501, 10.5800, 1.1811



7.1146, 7.1023, 7.5897



11.8792, 6.1077, 1.2887



0.2611, 0.1330, 0.0879

Previews

White Background



This preview shows how the XYZ color 17.5078, 27.6756, 28.4639 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 17.5078, 27.6756, 28.4639 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

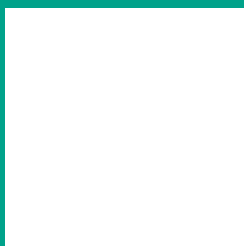
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5078, 27.6756, 28.4639

Background



This preview shows how black text looks on a background with the XYZ color 17.5078, 27.6756, 28.4639.

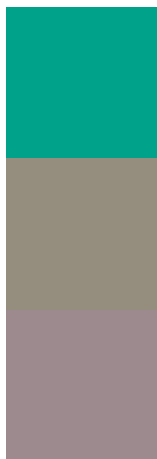


This preview shows how white text looks on a background with the XYZ color 17.5078, 27.6756,

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

17.5078, 27.6756, 28.4639

Protanopia

25.8982, 27.2679, 23.9769

Deuteranopia

27.7567, 27.2280, 29.7792



Tritanopia

20.3949, 27.5741, 42.2776

Trichromacy



Original Color

17.5078, 27.6756, 28.4639

Protanomaly

19.5635, 25.5665, 25.3764

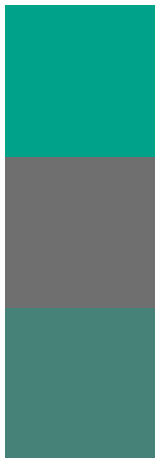
Deuteranomaly

20.3870, 25.4432, 29.0358

Tritanomaly

19.0764, 27.5261, 36.6554

Monochromacy



Original Color

17.5078, 27.6756, 28.4639

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.0324, 18.6853, 20.9562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5078, 27.6756, 28.4639 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, 162, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 138)  
}
```

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, 162, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 138) }
```

Border

The CSS property to change the border of an element to XYZ 17.5078, 27.6756, 28.4639 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, 162, 138) }
```


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

```
.border{ border-color:rgb(0, 162, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5078, 27.6756, 28.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 138) }
```

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

```
.background{ background-color: rgb(0, 162,  
138) }
```

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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