

Converting Colors

XYZ(12.7337, 25.8817, 27.1270)

Have a look what the booklet for
XYZ(12.7337, 25.8817, 27.1270)
contains.

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Color

**XYZ(17.6486, 28.3002,
27.4540)**

Conversions

Conversions Part 1

Format	Color
Hex	00A487
RGB	0, 164, 135
RGB Percent	0%, 64%, 53%
CMY	0.9999, 0.3569, 0.4706
CMYK	1.00, 0.00, 0.18, 0.36
HSL	169°, 100%, 32%
HSV	169°, 100%, 64%
XYZ	17.6486, 28.3002, 27.4540
YIQ	111.6580, -88.4350, -43.7870

Conversions

Conversions Part 2

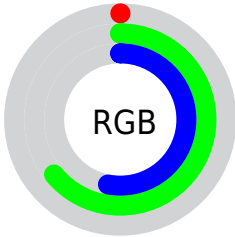
Format	Color
RYB	0, 90, 164
Decimal	42119
CIELab	60.16, -43.02, 4.96
CIELCh	60, 43.305, 173.426
Yxy	28.3002, 0.2404, 0.3855
Android (android.graphics.Color)	4278232199 (0xFF00A487)
YUV	111.6580, 11.5076, -97.9241
Hunter-Lab	53.1979, -33.8784, 6.6406

Details

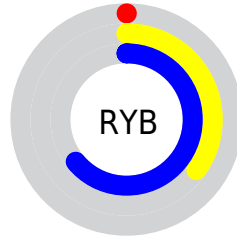
The XYZ color **17.6486, 28.3002, 27.4540** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.5325, 7.9819, 1.8854**, and the grayscale version is **15.2885, 16.0847, 17.5162**.

A 20% lighter version of the original color is **38.9847, 57.0414, 56.5323**, and **7.3241, 12.0248, 10.5293** is the 20% darker color. If you saturate the color by 10%, you get **17.6490, 28.3011, 27.4538**, and if you desaturate by 10%, it is **18.0771, 28.4979, 28.5554**.

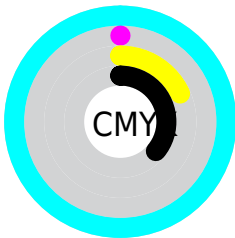
Distribution



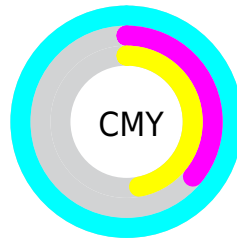
- Red (0%)
- Green (64%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6486, 28.3002, 27.4540 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 17.6486, 28.3002, 27.4540 by changing the saturation by 10% instead.


 17.6486, 28.3002,
27.4540


 17.6486, 28.3002,
27.4540


231.9669,
293.8986, 303.6781


 10.7962, 18.5521,
17.6790


 38.9724, 56.9634,
56.6241


 5.9962, 11.3471,
10.5527


 54.1745, 76.6472,
76.8563


 2.8834, 6.3008,
5.6566


 72.8905, 100.4117,
101.4114

 1.0924, 3.0288,
2.5720

 95.4858, 128.6414,
130.7078

 0.0188, 1.1468,
0.8780

 122.3258,
161.7205, 165.1641

 0.0000, 0.0176,
0.0000

 153.7757,

 0.0000, 0.0000,

200.0334, 205.1989

0.0000

190.2010,
243.9647, 251.2307

■ 17.6486, 28.3002,
27.4540

■ 17.6486, 28.3002,
27.4540

■ 17.6490, 28.3011,
27.4538

■ 18.0771, 28.4979,
28.5554

■ 18.6902, 28.7894,
29.6940

■ 19.5643, 29.2147,
30.8744

■ 20.7322, 29.7910,
32.0982

■ 22.2220, 30.5325,
33.3670

■ 24.0585, 31.4520,
34.6822

■ 26.2639, 32.5610,
36.0450

■ 28.8587, 33.8701,
37.4567

■ 31.8617, 35.3890,
38.9182

Harmonies

Analogous

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



19.2231, 28.3002, 15.9841



17.6486, 28.3002, 27.4540



18.2653, 28.3002, 44.5935

Triad

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



17.6486, 28.3002, 27.4540



31.3565, 28.3002, 68.1075



33.7532, 28.3002, 12.2424

Complementary

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



17.6486, 28.3002, 27.4540



15.5325, 7.9819, 1.8854

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.



37.8963, 28.3002, 20.2131



17.6486, 28.3002, 27.4540



36.3853, 28.3002, 52.7838

Square

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



17.6486, 28.3002, 27.4540



25.6981, 28.3002, 72.1073



38.9202, 28.3002, 34.4378



28.1357, 28.3002, 9.3665

Rectangle

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



17.6486, 28.3002, 27.4540



19.8843, 28.3002, 56.8819



38.9202, 28.3002, 34.4378



35.3941, 28.3002, 14.2488

Sweetspot

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



17.6494, 28.3013, 27.4547



47.4238, 58.9767, 65.2814



13.8137, 26.8291, 4.4509



10.0040, 12.7104, 14.0542



78.6606, 82.7571, 90.1225



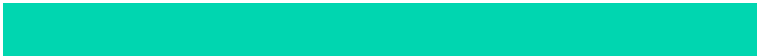
14.0027, 14.7319, 16.0430

Same Dimension

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



17.6494, 28.3013, 27.4547



31.9653, 51.3417, 49.4651



12.5035, 14.2850, 37.2215



7.2221, 7.9897, 8.7814



13.5476, 21.7054, 21.1321



0.2979, 0.4614, 0.5139

Inverse Universe

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



15.5325, 7.9819, 1.8854



28.1379, 14.4654, 3.1328



16.5360, 10.3438, 1.1254



7.1225, 7.1055, 7.6317



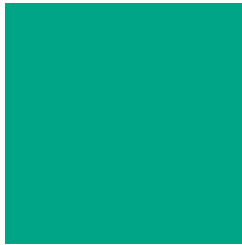
11.9220, 6.1249, 1.5139



0.2640, 0.1341, 0.1026

Previews

White Background



This preview shows how the XYZ color 17.6486, 28.3002, 27.4540 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 17.6486, 28.3002, 27.4540 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 17.6486, 28.3002, 27.4540

Background



This preview shows how black text looks on a background with the XYZ color 17.6486, 28.3002, 27.4540.

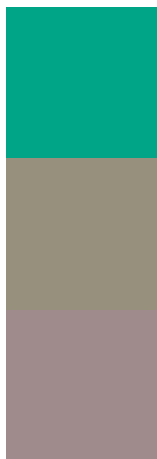


This preview shows how white text looks on a background with the XYZ color 17.6486, 28.3002,

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

17.6486, 28.3002, 27.4540

Protanopia

26.3738, 27.9811, 23.0796

Deuteranopia

28.2643, 27.7296, 28.6736



Tritanopia

21.0635, 28.4032, 43.4019

Trichromacy



Original Color

17.6486, 28.3002, 27.4540



Protanomaly

19.7868, 26.1785, 24.4322



Deuteranomaly

20.5442, 25.7815, 27.9383



Tritanomaly

19.5680, 28.2842, 37.2290

Monochromacy



Original Color

17.6486, 28.3002, 27.4540



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.1050, 18.9283, 20.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6486, 28.3002, 27.4540 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, 164, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 135) }
```

Border

The CSS property to change the border of an element to XYZ 17.6486, 28.3002, 27.4540 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, 164, 135) }
```


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

```
.border{ border-color:rgb(0, 164, 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, 164, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6486, 28.3002, 27.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 135) }
```

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

```
.background{ background-color: rgb(0, 164,  
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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