

Converting Colors

XYZ(17.4999, 28.7452, 25.1151)

Have a look what the booklet for
XYZ(17.4999, 28.7452, 25.1151)
contains.

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Color

**XYZ(17.5325, 28.8309,
25.0629)**

Conversions

Conversions Part 1

Format	Color
Hex	00A680
RGB	0, 166, 128
RGB Percent	0%, 65%, 50%
CMY	0.9999, 0.3490, 0.4980
CMYK	1.00, 0.00, 0.23, 0.35
HSL	166°, 100%, 33%
HSV	166°, 100%, 65%
XYZ	17.5325, 28.8309, 25.0629
YIQ	112.0340, -86.7380, -47.0100

Conversions

Conversions Part 2

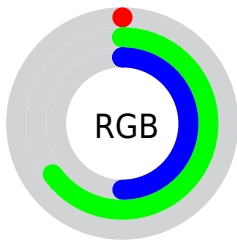
Format	Color
RYB	0, 94, 166
Decimal	42624
CIELab	60.63, -45.69, 9.55
CIELCh	61, 46.675, 168.189
Yxy	28.8309, 0.2455, 0.4036
Android (android.graphics.Color)	4278232704 (0xFF00A680)
YUV	112.0340, 7.8712, -98.2538
Hunter-Lab	53.6944, -35.6807, 9.9113

Details

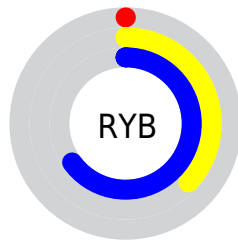
The XYZ color **17.5325, 28.8309, 25.0629** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.0768, 8.2478, 2.5801**, and the grayscale version is **15.4090, 16.2114, 17.6543**.

A 20% lighter version of the original color is **38.7761, 57.8029, 52.8294**, and **7.3164, 12.3748, 9.4001** is the 20% darker color. If you saturate the color by 10%, you get **17.5327, 28.8318, 25.0620**, and if you desaturate by 10%, it is **18.0124, 29.0496, 26.4166**.

Distribution



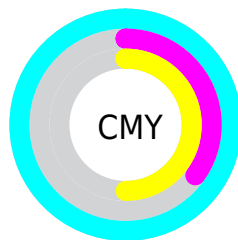
- Red (0%)
- Green (65%)
- Blue (50%)



- Red (0%)
- Yellow (37%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5325, 28.8309, 25.0629 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 17.5325, 28.8309, 25.0629 by changing the saturation by 10% instead.

■ 17.5325, 28.8309,
25.0629

■ 17.5325, 28.8309,
25.0629

■ 231.3195,
296.4163, 291.6087

■ 10.7125, 18.9529,
15.9045

■ 38.7754, 57.8083,
52.7246

■ 5.9397, 11.6363,
9.3030

■ 53.9291, 77.6765,
72.0650

■ 2.8488, 6.4965,
4.8398

■ 72.5914, 101.6437,
95.6365

■ 1.0743, 3.1493,
2.0965

■ 95.1277, 130.0941,
123.8576

■ 0.0035, 1.2102,
0.6137

■ 121.9033,
163.4121, 157.1468

■ 0.0000, 0.0700,
0.0000

■ 153.2835,

■ 0.0000, 0.0000,

201.9822, 195.9227

0.0000

189.6338,
246.1888, 240.6038

■ 17.5325, 28.8309,
25.0629

■ 17.5325, 28.8309,
25.0629

■ 17.5327, 28.8318,
25.0620

■ 18.0124, 29.0496,
26.4166

■ 18.6867, 29.3666,
27.8281

■ 19.6329, 29.8228,
29.3024

■ 20.8853, 30.4356,
30.8414

■ 22.4726, 31.2200,
32.4471

■ 24.4205, 32.1891,
34.1211

■ 26.7519, 33.3549,
35.8650

■ 29.4880, 34.7280,
37.6802

■ 32.6482, 36.3187,
39.5682

Harmonies

Analogous

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



19.6244, 28.8309, 14.0259



17.5325, 28.8309, 25.0629



17.7821, 28.8309, 42.9643

Triad

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



17.5325, 28.8309, 25.0629



31.1914, 28.8309, 74.7927



35.8998, 28.8309, 12.5511

Complementary

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



17.5325, 28.8309, 25.0629



16.0768, 8.2478, 2.5801

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.



39.9868, 28.8309, 22.1100



17.5325, 28.8309, 25.0629



37.0052, 28.8309, 59.2051

Square

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



17.5325, 28.8309, 25.0629



25.0933, 28.8309, 76.5147



40.4187, 28.8309, 38.7058



29.8500, 28.8309, 8.7898

Rectangle

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



17.5325, 28.8309, 25.0629



19.2491, 28.8309, 56.7802



40.4187, 28.8309, 38.7058



37.5848, 28.8309, 14.9885

Sweetspot

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



17.5333, 28.8320, 25.0636



48.2904, 60.4036, 64.9058



14.4640, 27.6998, 4.5848



10.4068, 13.3171, 14.2346



80.6108, 84.8088, 92.3568



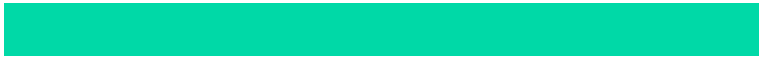
14.7206, 15.4872, 16.8656

Same Dimension

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



17.5333, 28.8320, 25.0636



31.7352, 52.2916, 45.0409



13.8111, 16.6088, 38.5555



7.6730, 8.5022, 9.2640



13.6137, 22.3642, 19.5304



0.3488, 0.5512, 0.5677

Inverse Universe

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



16.0768, 8.2478, 2.5801



29.1087, 14.9405, 4.3249



16.6377, 9.9297, 1.0403



7.5989, 7.5694, 8.2048



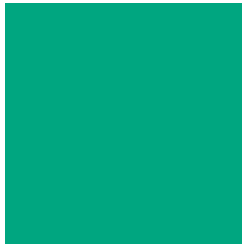
12.4814, 6.4013, 2.0806



0.3223, 0.1632, 0.1486

Previews

White Background



This preview shows how the XYZ color 17.5325, 28.8309, 25.0629 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 17.5325, 28.8309, 25.0629 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 17.5325, 28.8309, 25.0629

Background



This preview shows how black text looks on a background with the XYZ color 17.5325, 28.8309, 25.0629.



This preview shows how white text looks on a background with the XYZ color 17.5325, 28.8309,

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

17.5325, 28.8309, 25.0629

Protanopia

26.7218, 28.4288, 21.2185

Deuteranopia

28.9910, 28.3699, 26.5022



Tritanopia

21.5298, 28.8888, 43.9765

Trichromacy



Original Color

17.5325, 28.8309, 25.0629



Protanomaly

19.9411, 26.7843, 22.5312



Deuteranomaly

20.6212, 26.1039, 25.7815



Tritanomaly

19.6333, 28.5983, 36.3835

Monochromacy



Original Color

17.5325, 28.8309, 25.0629



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.1198, 19.1501, 20.0917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5325, 28.8309, 25.0629 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, 166, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 128)  
}
```

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, 166, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.5325, 28.8309, 25.0629 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, 166, 128) }
```


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

```
.border{ border-color:rgb(0, 166, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5325, 28.8309, 25.0629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 128) }
```

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

```
.background{ background-color: rgb(0, 166,  
128) }
```

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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