

Converting Colors

XYZ(6.3323, 22.1570, 24.3812)

Have a look what the booklet for
XYZ(6.3323, 22.1570, 24.3812)
contains.

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Color

**XYZ(16.9935, 27.7529,
24.8833)**

Conversions

Conversions Part 1

Format	Color
Hex	00A380
RGB	0, 163, 128
RGB Percent	0%, 64%, 50%
CMY	0.9999, 0.3608, 0.4980
CMYK	1.00, 0.00, 0.21, 0.36
HSL	167°, 100%, 32%
HSV	167°, 100%, 64%
XYZ	16.9935, 27.7529, 24.8833
YIQ	110.2730, -85.9130, -45.4410

Conversions

Conversions Part 2

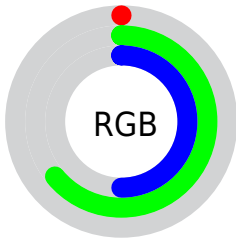
Format	Color
RYB	0, 91, 163
Decimal	41856
CIELab	59.66, -44.46, 8.18
CIELCh	60, 45.211, 169.577
Yxy	27.7529, 0.2441, 0.3986
Android (android.graphics.Color)	4278231936 (0xFF00A380)
YUV	110.2730, 8.7394, -96.7094
Hunter-Lab	52.6810, -34.6124, 8.8717

Details

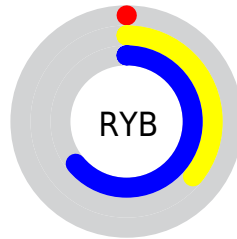
The XYZ color **16.9935, 27.7529, 24.8833** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.4087, 7.9087, 2.3060**, and the grayscale version is **14.8947, 15.6704, 17.0651**.

A 20% lighter version of the original color is **37.8885, 56.1729, 52.5616**, and **6.9872, 11.7164, 9.2904** is the 20% darker color. If you saturate the color by 10%, you get **16.9938, 27.7538, 24.8826**, and if you desaturate by 10%, it is **17.4477, 27.9606, 26.1289**.

Distribution



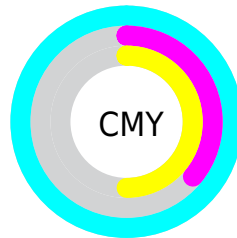
- Red (0%)
- Green (64%)
- Blue (50%)



- Red (0%)
- Yellow (36%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9935, 27.7529, 24.8833 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 16.9935, 27.7529, 24.8833 by changing the saturation by 10% instead.


 16.9935, 27.7529,
24.8833


 16.9935, 27.7529,
24.8833


228.2919,
291.2843, 290.6853


 10.3251, 18.1395,
15.7719


 37.8583, 56.0897,
52.4296


 5.6790, 11.0502,
9.2103


 52.7854, 75.5819,
71.7016

 2.6897, 6.1006,
4.7799

 71.1962, 99.1357,
95.1975

 0.9919, 2.9063,
2.0622

 93.4559, 127.1357,
123.3360

 0.0000, 1.0830,
0.5932

 119.9300,
159.9661, 156.5354

 0.0000, 0.0000,
0.0000

 150.9838,

198.0114, 195.2144

186.9826,
241.6560, 239.7915

■ 16.9935, 27.7529,
24.8833

■ 16.9935, 27.7529,
24.8833

■ 16.9938, 27.7538,
24.8826

■ 17.4477, 27.9606,
26.1289

■ 18.0861, 28.2617,
27.4244

■ 18.9843, 28.6959,
28.7744

■ 20.1749, 29.2797,
30.1808

■ 21.6855, 30.0276,
31.6453

■ 23.5404, 30.9521,
33.1693

■ 25.7617, 32.0644,
34.7544

■ 28.3695, 33.3750,
36.4017

■ 31.3823, 34.8934,
38.1127

Harmonies

Analogous

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



18.8775, 27.7529, 14.0816



16.9935, 27.7529, 24.8833



17.3337, 27.7529, 42.0148

Triad

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



16.9935, 27.7529, 24.8833



30.2274, 27.7529, 70.5362



34.1500, 27.7529, 12.0562

Complementary

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



16.9935, 27.7529, 24.8833



15.4087, 7.9087, 2.3060

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.



38.1227, 27.7529, 20.8664



16.9935, 27.7529, 24.8833



35.6417, 27.7529, 55.5105

Square

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



16.9935, 27.7529, 24.8833



24.4430, 27.7529, 72.8445



38.7049, 27.7529, 36.2658



28.4131, 27.7529, 8.6546

Rectangle

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



16.9935, 27.7529, 24.8833



18.7943, 27.7529, 54.9790



38.7049, 27.7529, 36.2658



35.7691, 27.7529, 14.2963

Sweetspot

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



16.9943, 27.7540, 24.8840



45.8916, 57.3004, 62.0761



13.8022, 26.5585, 4.3994



9.9337, 12.6823, 13.6837



78.6606, 82.7571, 90.1225



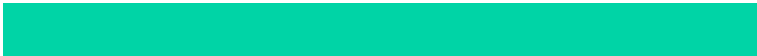
14.0027, 14.7319, 16.0430

Same Dimension

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



16.9943, 27.7540, 24.8840



30.3572, 49.6726, 44.1594



12.9521, 15.3261, 36.9271



7.2107, 7.9851, 8.7212



13.2240, 21.5759, 19.4278



0.2933, 0.4595, 0.4893

Inverse Universe

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



15.4087, 7.9087, 2.3060



27.5330, 14.1381, 3.8063



16.0896, 9.7563, 1.0357



7.1331, 7.1097, 7.6875



11.9890, 6.1517, 1.8667



0.2677, 0.1356, 0.1221

Previews

White Background



This preview shows how the XYZ color 16.9935, 27.7529, 24.8833 looks on a white background.

Color Contrast Check

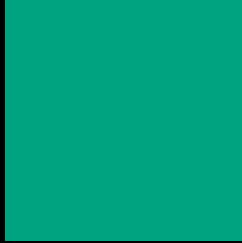
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9935, 27.7529, 24.8833 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 16.9935, 27.7529, 24.8833

Background



This preview shows how black text looks on a background with the XYZ color 16.9935, 27.7529, 24.8833.

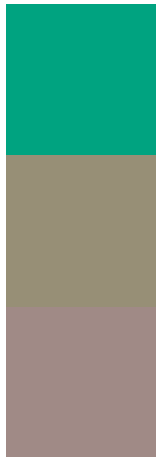


This preview shows how white text looks on a background with the XYZ color 16.9935, 27.7529,

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

16.9935, 27.7529, 24.8833

Protanopia

25.8550, 27.5322, 21.0911

Deuteranopia

27.8888, 27.3718, 26.3676



Tritanopia

20.6281, 27.6943, 42.2885

Trichromacy



Original Color

16.9935, 27.7529, 24.8833



Protanomaly

19.2431, 25.7046, 22.3596



Deuteranomaly

20.0781, 25.3582, 25.6662



Tritanomaly

18.9102, 27.4699, 35.3159

Monochromacy



Original Color

16.9935, 27.7529, 24.8833



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.5869, 18.2870, 19.6433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9935, 27.7529, 24.8833 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.9935, 27.7529, 24.8833 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, 128) }
```


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

```
.border{ border-color:rgb(0, 163, 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, 163, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9935, 27.7529, 24.8833 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, 128) }
```

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

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