

Converting Colors

XYZ(7.0243, 26.2667, 27.9952)

Have a look what the booklet for
XYZ(7.0243, 26.2667, 27.9952)
contains.

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Color

**XYZ(19.9693, 32.8282,
28.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	00B088
RGB	0, 176, 136
RGB Percent	0%, 69%, 53%
CMY	0.9999, 0.3098, 0.4667
CMYK	1.00, 0.00, 0.23, 0.31
HSL	166°, 100%, 35%
HSV	166°, 100%, 69%
XYZ	19.9693, 32.8282, 28.5765
YIQ	118.8160, -92.0560, -49.7520

Conversions

Conversions Part 2

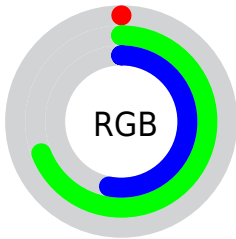
Format	Color
RYB	0, 99, 176
Decimal	45192
CIELab	64.02, -47.68, 9.92
CIELCh	64, 48.698, 168.249
Yxy	32.8282, 0.2454, 0.4034
Android (android.graphics.Color)	4278235272 (0xFF00B088)
YUV	118.8160, 8.4717, -104.2016
Hunter-Lab	57.2959, -38.0553, 10.5361

Details

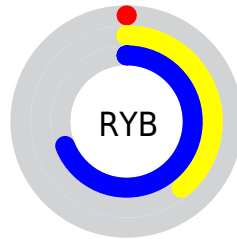
The XYZ color **19.9693, 32.8282, 28.5765** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.2888, 9.3843, 2.8573**, and the grayscale version is **17.4741, 18.3841, 20.0203**.

A 20% lighter version of the original color is **42.9403, 64.3316, 58.2982**, and **8.6392, 14.5910, 11.1651** is the 20% darker color. If you saturate the color by 10%, you get **19.9695, 32.8292, 28.5751**, and if you desaturate by 10%, it is **20.5021, 33.0702, 30.1144**.

Distribution



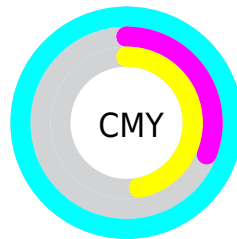
- Red (0%)
- Green (69%)
- Blue (53%)



- Red (0%)
- Yellow (39%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9693, 32.8282, 28.5765 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 19.9693, 32.8282, 28.5765 by changing the saturation by 10% instead.

■ 19.9693, 32.8282,
28.5765

■ 19.9693, 32.8282,
28.5765

244.5856,
314.8749, 309.2097

■ 12.4809, 21.9949,
18.5179

■ 42.8700, 64.1072,
58.4377

■ 7.1466, 13.8531,
11.1492

■ 59.0131, 85.3217,
79.0773

■ 3.6011, 8.0186,
6.0518

■ 78.7716, 110.7653,
104.0810

■ 1.4790, 4.1068,
2.8073

■ 102.5112,
140.8225, 133.8673

■ 0.3115, 1.7335,
0.9971

■ 130.5970,
175.8777, 168.8548

■ 0.0000, 0.4452,
0.0000

■ 163.3944,

■ 0.0000, 0.0000,

216.3152, 209.4620

0.0000

201.2688,
262.5195, 256.1074

■ 19.9693, 32.8282,
28.5765

■ 19.9693, 32.8282,
28.5765

■ 19.9695, 32.8292,
28.5751

■ 20.5021, 33.0702,
30.1144

■ 21.2609, 33.4267,
31.7181

■ 22.3305, 33.9421,
33.3930

■ 23.7503, 34.6368,
35.1414

■ 25.5540, 35.5282,
36.9654

■ 27.7711, 36.6313,
38.8671

■ 30.4281, 37.9600,
40.8482

■ 33.5495, 39.5267,
42.9104

■ 37.1578, 41.3431,
45.0552

Harmonies

Analogous

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



22.3446, 32.8282, 16.0000



19.9693, 32.8282, 28.5765



20.2586, 32.8282, 48.9549

Triad

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



19.9693, 32.8282, 28.5765



35.5264, 32.8282, 85.0867



40.8561, 32.8282, 14.2899

Complementary

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



19.9693, 32.8282, 28.5765



18.2888, 9.3843, 2.8573

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.



45.5118, 32.8282, 25.1538



19.9693, 32.8282, 28.5765



42.1369, 32.8282, 67.3366

Square

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



19.9693, 32.8282, 28.5765



28.5872, 32.8282, 87.0815



46.0122, 32.8282, 44.0205



33.9720, 32.8282, 10.0184

Rectangle

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



19.9693, 32.8282, 28.5765



21.9315, 32.8282, 64.6693



46.0122, 32.8282, 44.0205



42.7746, 32.8282, 17.0597

Sweetspot

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



19.9702, 32.8295, 28.5773



54.9038, 68.7038, 73.8852



16.4439, 31.5250, 5.2190



11.4517, 14.6656, 15.6890



84.5950, 89.0005, 96.9216



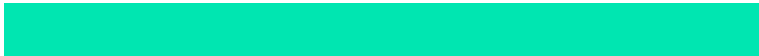
16.2198, 17.0645, 18.5832

Same Dimension

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



19.9702, 32.8295, 28.5773



36.1269, 59.5033, 51.3503



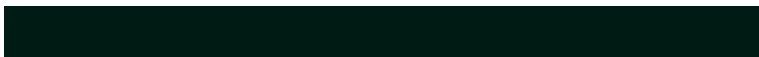
15.6972, 18.8552, 43.8877



8.6584, 9.5978, 10.4605



14.6744, 24.0958, 21.0862



0.4821, 0.7663, 0.7706

Inverse Universe

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



18.2888, 9.3843, 2.8573



33.0965, 16.9898, 4.8036



18.9198, 11.2597, 1.1769



8.5729, 8.5359, 9.2491



13.4370, 6.8923, 2.1950



0.4451, 0.2258, 0.1866

Previews

White Background



This preview shows how the XYZ color 19.9693, 32.8282, 28.5765 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.9693, 32.8282, 28.5765 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 ✓ Pass

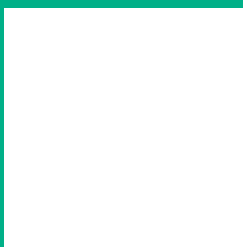
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9693, 32.8282, 28.5765

Background



This preview shows how black text looks on a background with the XYZ color 19.9693, 32.8282, 28.5765.

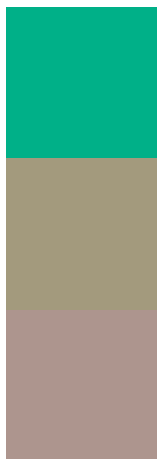


This preview shows how white text looks on a background with the XYZ color 19.9693, 32.8282,

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

19.9693, 32.8282, 28.5765

Protanopia

30.3615, 32.3784, 24.0515

Deuteranopia

32.8635, 32.3321, 30.0998



Tritanopia

24.4975, 32.9806, 49.8745

Trichromacy



Original Color

19.9693, 32.8282, 28.5765



Protanomaly

22.5917, 30.3687, 25.4399



Deuteranomaly

23.5622, 30.0047, 29.3606



Tritanomaly

22.3286, 32.6155, 41.1950

Monochromacy



Original Color

19.9693, 32.8282, 28.5765



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.0602, 21.7733, 22.7582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9693, 32.8282, 28.5765 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, 176, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 136)  
}
```

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, 176, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 136) }
```

Border

The CSS property to change the border of an element to XYZ 19.9693, 32.8282, 28.5765 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, 176, 136) }
```


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

```
.border{ border-color:rgb(0, 176, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9693, 32.8282, 28.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 136) }
```

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

```
.background{ background-color: rgb(0, 176,  
136) }
```

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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