

Converting Colors

XYZ(9.6481, 27.6689, 27.2905)

Have a look what the booklet for
XYZ(9.6481, 27.6689, 27.2905)
contains.

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Color

**XYZ(19.8284, 32.7719,
27.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	00B086
RGB	0, 176, 134
RGB Percent	0%, 69%, 53%
CMY	0.9999, 0.3098, 0.4745
CMYK	1.00, 0.00, 0.24, 0.31
HSL	166°, 100%, 35%
HSV	166°, 100%, 69%
XYZ	19.8284, 32.7719, 27.8348
YIQ	118.5880, -91.4140, -50.3740

Conversions

Conversions Part 2

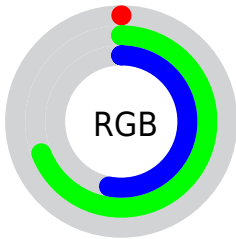
Format	Color
RYB	0, 100, 176
Decimal	45190
CIELab	63.98, -48.18, 10.96
CIELCh	64, 49.411, 167.188
Yxy	32.7719, 0.2465, 0.4074
Android (android.graphics.Color)	4278235270 (0xFF00B086)
YUV	118.5880, 7.5981, -104.0017
Hunter-Lab	57.2467, -38.3552, 11.2444

Details

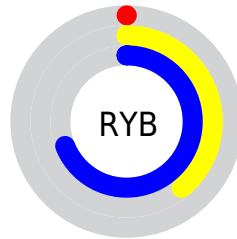
The XYZ color **19.8284, 32.7719, 27.8348** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3236, 9.3981, 3.0405**, and the grayscale version is **17.4040, 18.3103, 19.9400**.

A 20% lighter version of the original color is **42.7246, 64.2454, 57.1625**, and **8.5598, 14.5592, 10.7466** is the 20% darker color. If you saturate the color by 10%, you get **19.8288, 32.7730, 27.8341**, and if you desaturate by 10%, it is **20.3704, 33.0176, 29.4209**.

Distribution



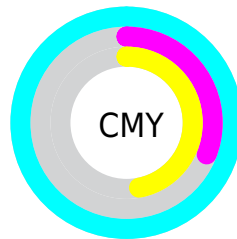
- Red (0%)
- Green (69%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8284, 32.7719, 27.8348 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 19.8284, 32.7719, 27.8348 by changing the saturation by 10% instead.


 19.8284, 32.7719,
27.8348


 19.8284, 32.7719,
27.8348


243.8359,
314.6207, 305.5637


 12.3779, 21.9518,
17.9632


 42.6354, 64.0192,
57.2405


 7.0756, 13.8215,
10.7544


 58.7227, 85.2152,
77.6117


 3.5562, 7.9966,
5.7899


 78.4196, 110.6387,
102.3199

 1.4543, 4.0928,
2.6510

 102.0915,
140.6739, 131.7835

 0.2944, 1.7256,
0.9186

 130.1037,
175.7053, 166.4212

 0.0000, 0.4401,
0.0000

 162.8216,

 0.0000, 0.0000,

216.1173, 206.6514

0.0000

200.6106,
262.2943, 252.8927

■ 19.8284, 32.7719,
27.8348

■ 19.8284, 32.7719,
27.8348

■ 19.8288, 32.7730,
27.8341

■ 20.3704, 33.0176,
29.4209

■ 21.1392, 33.3780,
31.0784

■ 22.2199, 33.8979,
32.8126

■ 23.6519, 34.5975,
34.6260

■ 25.4689, 35.4941,
36.5209

■ 27.7003, 36.6030,
38.4993

■ 30.3729, 37.9378,
40.5630

■ 33.5109, 39.5112,
42.7138

■ 37.1369, 41.3346,
44.9534

Harmonies

Analogous

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



22.3198, 32.7719, 15.4471



19.8284, 32.7719, 27.8348



20.0250, 32.7719, 48.2616

Triad

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



19.8284, 32.7719, 27.8348



35.2769, 32.7719, 86.3069



41.1668, 32.7719, 14.2918

Complementary

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



19.8284, 32.7719, 27.8348



18.3236, 9.3981, 3.0405

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.



45.7769, 32.7719, 25.5052



19.8284, 32.7719, 27.8348



42.0440, 32.7719, 68.6159

Square

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



19.8284, 32.7719, 27.8348



28.2720, 32.7719, 87.6802



46.1199, 32.7719, 44.8831



34.2142, 32.7719, 9.8258

Rectangle

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



19.8284, 32.7719, 27.8348



21.6503, 32.7719, 64.2537



46.1199, 32.7719, 44.8831



43.0841, 32.7719, 17.1563

Sweetspot

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



19.8293, 32.7732, 27.8356



54.8042, 68.6640, 73.3611



16.5653, 31.5876, 5.2244



11.4276, 14.6559, 15.5618



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.



19.8293, 32.7732, 27.8356



35.8689, 59.4001, 49.9918



16.0891, 19.6391, 44.0185



8.6542, 9.5962, 10.4387



14.5719, 24.0547, 20.5462



0.4795, 0.7653, 0.7572

Inverse Universe

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



18.3236, 9.3981, 3.0405



33.1570, 17.0141, 5.1225



18.8064, 11.0328, 1.1388



8.5767, 8.5374, 9.2696



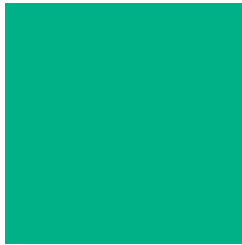
13.4632, 6.9029, 2.3334



0.4467, 0.2264, 0.1949

Previews

White Background



This preview shows how the XYZ color 19.8284, 32.7719, 27.8348 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 19.8284, 32.7719, 27.8348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

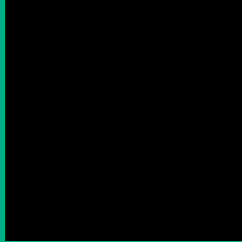
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.8284, 32.7719, 27.8348

Background



This preview shows how black text looks on a background with the XYZ color 19.8284, 32.7719, 27.8348.

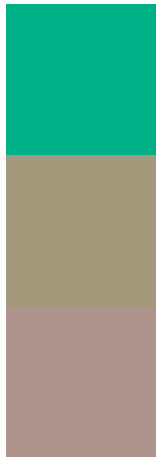


This preview shows how white text looks on a background with the XYZ color 19.8284, 32.7719,

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

19.8284, 32.7719, 27.8348

Protanopia

30.4406, 32.4338, 23.3948

Deuteranopia

32.7791, 32.0719, 29.2738



Tritanopia

24.3661, 32.6356, 49.8148

Trichromacy



Original Color

19.8284, 32.7719, 27.8348



Protanomaly

22.4600, 30.3160, 24.7465



Deuteranomaly

23.3698, 29.6682, 28.5396



Tritanomaly

22.2716, 32.5967, 40.7153

Monochromacy



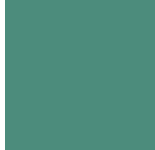
Original Color

19.8284, 32.7719, 27.8348



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.9967, 21.7479, 22.4234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8284, 32.7719, 27.8348 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 134) }
```

Border

The CSS property to change the border of an element to XYZ 19.8284, 32.7719, 27.8348 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, 134) }
```


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

```
.border{ border-color:rgb(0, 176, 134) }
```

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, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8284, 32.7719, 27.8348 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, 134) }
```

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

```
.background{ background-color: rgb(0, 176,  
134) }
```

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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