

Converting Colors

XYZ(17.1729, 30.8925, 29.5700)

Have a look what the booklet for
XYZ(17.1729, 30.8925, 29.5700)
contains.

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Color

**XYZ(19.7963, 32.1362,
29.5856)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE8B
RGB	0, 174, 139
RGB Percent	0%, 68%, 55%
CMY	0.9999, 0.3176, 0.4549
CMYK	1.00, 0.00, 0.20, 0.32
HSL	168°, 100%, 34%
HSV	168°, 100%, 68%
XYZ	19.7963, 32.1362, 29.5856
YIQ	117.9840, -92.4690, -47.7730

Conversions

Conversions Part 2

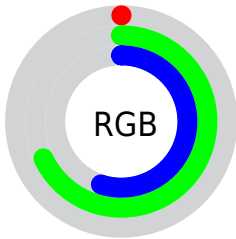
Format	Color
RYB	0, 97, 174
Decimal	44683
CIELab	63.46, -46.10, 7.45
CIELCh	63, 46.696, 170.817
Yxy	32.1362, 0.2428, 0.3942
Android (android.graphics.Color)	4278234763 (0xFF00AE8B)
YUV	117.9840, 10.3609, -103.4720
Hunter-Lab	56.6888, -36.8714, 8.7390

Details

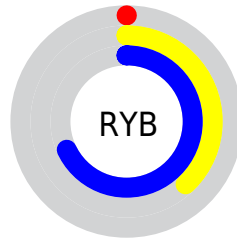
The XYZ color **19.7963, 32.1362, 29.5856** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.7602, 9.1210, 2.4166**, and the grayscale version is **17.2069, 18.1030, 19.7141**.

A 20% lighter version of the original color is **42.4273, 62.7791, 59.7506**, and **8.5196, 14.1542, 11.7342** is the 20% darker color. If you saturate the color by 10%, you get **19.7965, 32.1371, 29.5844**, and if you desaturate by 10%, it is **20.2957, 32.3644, 30.9665**.

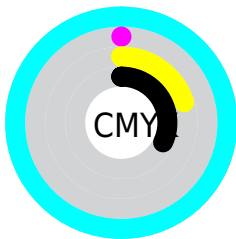
Distribution



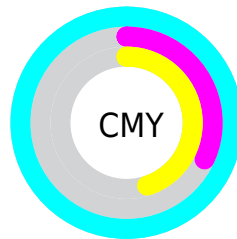
- Red (0%)
- Green (68%)
- Blue (55%)



- Red (0%)
- Yellow (38%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7963, 32.1362, 29.5856 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 19.7963, 32.1362, 29.5856 by changing the saturation by 10% instead.


 19.7963, 32.1362,
29.5856


 19.7963, 32.1362,
29.5856


243.6649,
311.7392, 314.1150


 12.3545, 21.4656,
19.2749


 42.5820, 63.0245,
60.0594


 7.0595, 13.4647,
11.6903


 58.6565, 84.0110,
81.0597


 3.5460, 7.7493,
6.4132


 78.3393, 109.2049,
106.4601

 1.4486, 3.9350,
3.0251

 101.9957,
138.9906, 136.6794

 0.2905, 1.6373,
1.1075

 129.9911,
173.7525, 172.1359

 0.0000, 0.3825,
0.0000

 162.6909,

 0.0000, 0.0000,

213.8750, 213.2484

0.0000

200.4604,
259.7424, 260.4352

■ 19.7963, 32.1362,
29.5856

■ 19.7963, 32.1362,
29.5856

■ 19.7965, 32.1371,
29.5844

■ 20.2957, 32.3644,
30.9665

■ 21.0123, 32.7028,
32.4000

■ 22.0295, 33.1953,
33.8911

■ 23.3855, 33.8614,
35.4420

■ 25.1131, 34.7181,
37.0546

■ 27.2407, 35.7800,
38.7306

■ 29.7943, 37.0606,
40.4715

■ 32.7976, 38.5719,
42.2788

■ 36.2723, 40.3253,
44.1540

Harmonies

Analogous

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



21.8475, 32.1362, 16.9031



19.7963, 32.1362, 29.5856



20.2913, 32.1362, 49.3099

Triad

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



19.7963, 32.1362, 29.5856



35.2033, 32.1362, 80.2249



39.1377, 32.1362, 13.9380

Complementary

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



19.7963, 32.1362, 29.5856



17.7602, 9.1210, 2.4166

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.



43.7744, 32.1362, 23.7527



19.7963, 32.1362, 29.5856



41.2886, 32.1362, 62.8158

Square

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



19.7963, 32.1362, 29.5856



28.5937, 32.1362, 83.5335



44.6130, 32.1362, 41.0174



32.5820, 32.1362, 10.2207

Rectangle

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



19.7963, 32.1362, 29.5856



22.0312, 32.1362, 63.9777



44.6130, 32.1362, 41.0174



41.0092, 32.1362, 16.4263

Sweetspot

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



19.7972, 32.1374, 29.5864



53.7691, 67.0849, 73.2337



15.9258, 30.6800, 5.0832



11.5078, 14.6880, 15.9843



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.



19.7972, 32.1374, 29.5864



35.8259, 58.2590, 53.2300



14.9374, 17.6499, 42.6653



8.1662, 9.0441, 9.9004



14.3795, 23.3171, 21.5701



0.4173, 0.6556, 0.6912

Inverse Universe

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



17.7602, 9.1210, 2.4166



32.1492, 16.5173, 4.0433



18.5680, 11.2224, 1.1882



8.0687, 8.0407, 8.6725



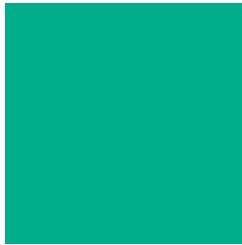
12.8984, 6.6219, 1.8446



0.3775, 0.1917, 0.1497

Previews

White Background



This preview shows how the XYZ color 19.7963, 32.1362, 29.5856 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 19.7963, 32.1362, 29.5856 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 19.7963, 32.1362, 29.5856

Background



This preview shows how black text looks on a background with the XYZ color 19.7963, 32.1362, 29.5856.

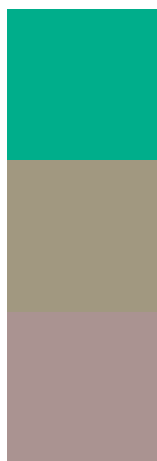


This preview shows how white text looks on a background with the XYZ color 19.7963, 32.1362,

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

19.7963, 32.1362, 29.5856

Protanopia

29.8225, 31.5921, 24.9481

Deuteranopia

32.1221, 31.4578, 31.1670



Tritanopia

23.9143, 32.1395, 49.1991

Trichromacy



Original Color

19.7963, 32.1362, 29.5856



Protanomaly

22.2152, 29.6323, 26.3785



Deuteranomaly

23.1992, 29.2853, 30.4165



Tritanomaly

21.9173, 31.8427, 41.0675

Monochromacy



Original Color

19.7963, 32.1362, 29.5856



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.7560, 21.1792, 22.9962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7963, 32.1362, 29.5856 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, 174, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 139)  
}
```

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, 174, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 139) }
```

Border

The CSS property to change the border of an element to XYZ 19.7963, 32.1362, 29.5856 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, 174, 139) }
```


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

```
.border{ border-color:rgb(0, 174, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7963, 32.1362, 29.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 139) }
```

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

```
.background{ background-color: rgb(0, 174,  
139) }
```

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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