

Converting Colors

XYZ(16.7922, 26.7879, 26.5506)

Have a look what the booklet for
XYZ(16.7922, 26.7879, 26.5506)
contains.

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Color

**XYZ(16.8044, 26.8351,
26.4843)**

Conversions

Conversions Part 1

Format	Color
Hex	00A085
RGB	0, 160, 133
RGB Percent	0%, 63%, 52%
CMY	1.0000, 0.3725, 0.4784
CMYK	1.00, 0.00, 0.17, 0.37
HSL	170°, 100%, 31%
HSV	170°, 100%, 63%
XYZ	16.8044, 26.8351, 26.4843
YIQ	109.0820, -86.6930, -42.3170

Conversions

Conversions Part 2

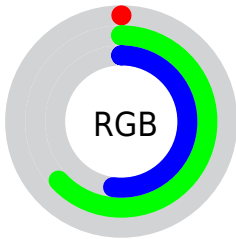
Format	Color
RYB	0, 87, 160
Decimal	41093
CIELab	58.82, -41.88, 4.16
CIELCh	59, 42.083, 174.331
Yxy	26.8351, 0.2396, 0.3827
Android (android.graphics.Color)	4278231173 (0xFF00A085)
YUV	109.0820, 11.7916, -95.6649
Hunter-Lab	51.8026, -32.7504, 5.9496

Details

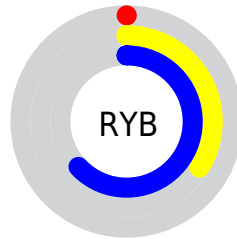
The XYZ color **16.8044, 26.8351, 26.4843** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.6959, 7.5533, 1.7211**, and the grayscale version is **14.5456, 15.3031, 16.6651**.

A 20% lighter version of the original color is **37.6352, 54.8306, 55.0541**, and **6.8579, 11.1555, 10.1793** is the 20% darker color. If you saturate the color by 10%, you get **16.8049, 26.8360, 26.4842**, and if you desaturate by 10%, it is **17.2079, 27.0219, 27.4903**.

Distribution



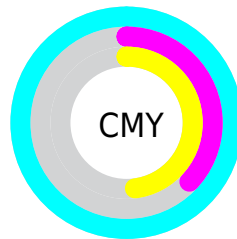
- Red (0%)
- Green (63%)
- Blue (52%)



- Red (0%)
- Yellow (34%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8044, 26.8351, 26.4843 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 16.8044, 26.8351, 26.4843 by changing the saturation by 10% instead.

■ 16.8044, 26.8351,
26.4843

■ 16.8044, 26.8351,
26.4843

227.2209,
286.8578, 298.8322

■ 10.1896, 17.4494,
16.9573

■ 37.5354, 54.6191,
55.0489

■ 5.5881, 10.5554,
10.0424

■ 52.3824, 73.7863,
74.9235

■ 2.6345, 5.7688,
5.3211

■ 70.7040, 96.9827,
99.0844

■ 0.9636, 2.7050,
2.3749

■ 92.8658, 124.5928,
127.9501

■ 0.0000, 0.9797,
0.7727

■ 119.2330,
157.0010, 161.9393

■ 0.0000, 0.0000,
0.0000

■ 150.1710,

194.5916, 201.4703

186.0452,
237.7491, 246.9618

■ 16.8044, 26.8351,
26.4843

■ 16.8044, 26.8351,
26.4843

■ 16.8049, 26.8360,
26.4842

■ 17.2079, 27.0219,
27.4903

■ 17.7839, 27.2965,
28.5291

■ 18.6061, 27.6974,
29.6047

■ 19.7054, 28.2406,
30.7189

■ 21.1082, 28.9396,
31.8731

■ 22.8376, 29.8065,
33.0685

■ 24.9147, 30.8520,
34.3063

■ 27.3586, 32.0861,
35.5876

■ 30.1872, 33.5179,
36.9133

Harmonies

Analogous

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



18.2239, 26.8351, 15.5155



16.8044, 26.8351, 26.4843



17.4469, 26.8351, 42.6550

Triad

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



16.8044, 26.8351, 26.4843



29.8449, 26.8351, 63.7868



31.7823, 26.8351, 11.6007

Complementary

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



16.8044, 26.8351, 26.4843



14.6959, 7.5533, 1.7211

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.



35.7284, 26.8351, 18.9498



16.8044, 26.8351, 26.4843



34.5079, 26.8351, 49.2657

Square

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



16.8044, 26.8351, 26.4843



24.5323, 26.8351, 67.9116



36.7879, 26.8351, 32.1355



26.5050, 26.8351, 9.0011

Rectangle

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



16.8044, 26.8351, 26.4843



19.0097, 26.8351, 54.1031



36.7879, 26.8351, 32.1355



33.3356, 26.8351, 13.4454

Sweetspot

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



16.8052, 26.8361, 26.4849



44.9973, 55.8959, 62.1543



13.0878, 25.4088, 4.2149



9.5285, 12.0875, 13.4352



76.7382, 80.7346, 87.9200



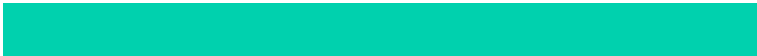
13.3056, 13.9985, 15.2444

Same Dimension

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



16.8052, 26.8361, 26.4849



30.4465, 48.6986, 47.7427



11.8504, 13.5480, 35.2494



6.7738, 7.4903, 8.2432



13.1042, 20.9096, 20.7037



0.2459, 0.3785, 0.4314

Inverse Universe

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



14.6959, 7.5533, 1.7211



26.6305, 13.6930, 2.8522



15.6675, 9.8133, 1.0687



6.6765, 6.6635, 7.1475



11.4590, 5.8882, 1.4022



0.2161, 0.1098, 0.0839

Previews

White Background



This preview shows how the XYZ color 16.8044, 26.8351, 26.4843 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 16.8044, 26.8351, 26.4843 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 16.8044, 26.8351, 26.4843

Background



This preview shows how black text looks on a background with the XYZ color 16.8044, 26.8351, 26.4843.

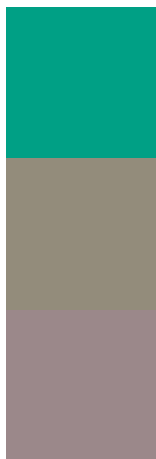


This preview shows how white text looks on a background with the XYZ color 16.8044, 26.8351,

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

16.8044, 26.8351, 26.4843

Protanopia

24.9859, 26.3893, 22.5156

Deuteranopia

26.9092, 26.4119, 27.7245



Tritanopia

19.9159, 26.8507, 41.1788

Trichromacy



Original Color

16.8044, 26.8351, 26.4843



Protanomaly

18.8806, 24.7794, 23.8665



Deuteranomaly

19.7149, 24.6810, 27.0174



Tritanomaly

18.4801, 26.7417, 35.1980

Monochromacy



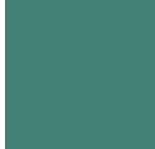
Original Color

16.8044, 26.8351, 26.4843



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.4434, 18.0116, 19.9076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8044, 26.8351, 26.4843 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, 160, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 133)  
}
```

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, 160, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.8044, 26.8351, 26.4843 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, 160, 133) }
```


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

```
.border{ border-color:rgb(0, 160, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8044, 26.8351, 26.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 133) }
```

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

```
.background{ background-color: rgb(0, 160,  
133) }
```

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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