

Converting Colors

XYZ(9.4008, 22.6995, 23.3192)

Have a look what the booklet for
XYZ(9.4008, 22.6995, 23.3192)
contains.

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Color

**XYZ(16.0998, 26.2769,
23.6254)**

Conversions

Conversions Part 1

Format	Color
Hex	009F7D
RGB	0, 159, 125
RGB Percent	0%, 62%, 49%
CMY	0.9999, 0.3765, 0.5098
CMYK	1.00, 0.00, 0.21, 0.38
HSL	167°, 100%, 31%
HSV	167°, 100%, 62%
XYZ	16.0998, 26.2769, 23.6254
YIQ	107.5830, -83.8500, -44.2820

Conversions

Conversions Part 2

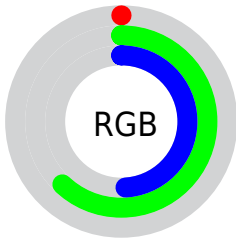
Format	Color
RYB	0, 89, 159
Decimal	40829
CIELab	58.30, -43.60, 7.92
CIELCh	58, 44.318, 169.705
Yxy	26.2769, 0.2439, 0.3981
Android (android.graphics.Color)	4278230909 (0xFF009F7D)
YUV	107.5830, 8.5866, -94.3503
Hunter-Lab	51.2610, -33.6444, 8.5569

Details

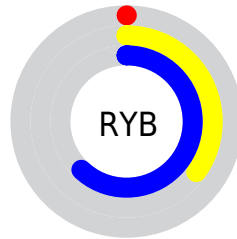
The XYZ color **16.0998, 26.2769, 23.6254** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.5878, 7.4872, 2.1911**, and the grayscale version is **14.1326, 14.8685, 16.1918**.

A 20% lighter version of the original color is **36.4561, 53.9391, 50.6093**, and **6.4585, 10.8299, 8.5875** is the 20% darker color. If you saturate the color by 10%, you get **16.1001, 26.2777, 23.6247**, and if you desaturate by 10%, it is **16.5336, 26.4757, 24.7999**.

Distribution



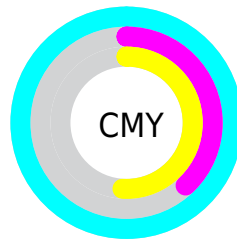
- Red (0%)
- Green (62%)
- Blue (49%)



- Red (0%)
- Yellow (35%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0998, 26.2769, 23.6254 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 16.0998, 26.2769, 23.6254 by changing the saturation by 10% instead.


 16.0998, 26.2769,
23.6254


 16.0998, 26.2769,
23.6254


223.1887,
284.1387, 284.1464


 9.6861, 17.0309,
14.8464


 36.3274, 53.7213,
50.3544


 5.2520, 10.2565,
8.5662


 50.8721, 72.6885,
69.1413


 2.4321, 5.5694,
4.3664

 68.8577, 95.6649,
92.1014

 0.8612, 2.5850,
1.8284

 90.6497, 123.0349,
119.6530

 0.0000, 0.9192,
0.4466

 116.6135,
155.1829, 152.2148

 0.0000, 0.0000,
0.0000

 147.1143,

192.4933, 190.2053

182.5176,
235.3504, 234.0430

■ 16.0998, 26.2769,
23.6254

■ 16.0998, 26.2769,
23.6254

■ 16.1001, 26.2777,
23.6247

■ 16.5336, 26.4757,
24.7999

■ 17.1399, 26.7618,
26.0211

■ 17.9917, 27.1736,
27.2934

■ 19.1194, 27.7269,
28.6185

■ 20.5491, 28.4348,
29.9981

■ 22.3036, 29.3093,
31.4335

■ 24.4036, 30.3611,
32.9262

■ 26.8680, 31.5997,
34.4772

■ 29.7144, 33.0344,
36.0879

Harmonies

Analogous

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



17.8725, 26.2769, 13.3831



16.0998, 26.2769, 23.6254



16.4305, 26.2769, 39.8366

Triad

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



16.0998, 26.2769, 23.6254



28.6370, 26.2769, 66.6605



32.2990, 26.2769, 11.4130

Complementary

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



16.0998, 26.2769, 23.6254



14.5878, 7.4872, 2.1911

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.



36.0637, 26.2769, 19.7214



16.0998, 26.2769, 23.6254



33.7477, 26.2769, 52.4326

Square

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



16.0998, 26.2769, 23.6254



23.1678, 26.2769, 68.9008



36.6290, 26.2769, 34.2530



26.8747, 26.2769, 8.2111

Rectangle

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



16.0998, 26.2769, 23.6254



17.8176, 26.2769, 52.0822



36.6290, 26.2769, 34.2530



33.8318, 26.2769, 13.5249

Sweetspot

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



16.1005, 26.2779, 23.6260



43.4669, 54.2536, 58.8075



13.0737, 25.1452, 4.1650



9.4490, 12.0557, 13.0165



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.



16.1005, 26.2779, 23.6260



28.7591, 47.0299, 41.9200



12.2709, 14.5283, 34.9595



6.7611, 7.4852, 8.1763



12.7316, 20.7606, 18.7415



0.2416, 0.3768, 0.4087

Inverse Universe

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



14.5878, 7.4872, 2.1911



26.0645, 13.3838, 3.6096



15.2395, 9.2528, 0.9833



6.6882, 6.6682, 7.2094



11.5344, 5.9183, 1.7992



0.2199, 0.1113, 0.1039

Previews

White Background



This preview shows how the XYZ color 16.0998, 26.2769, 23.6254 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 16.0998, 26.2769, 23.6254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

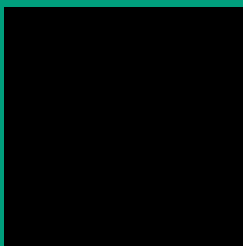
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

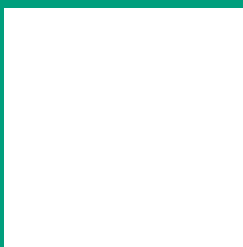
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0998, 26.2769, 23.6254

Background



This preview shows how black text looks on a background with the XYZ color 16.0998, 26.2769, 23.6254.

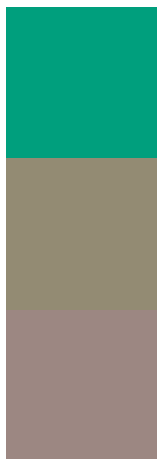


This preview shows how white text looks on a background with the XYZ color 16.0998, 26.2769,

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

16.0998, 26.2769, 23.6254

Protanopia

24.3598, 25.9061, 19.9361

Deuteranopia

26.4035, 26.0076, 24.7474



Tritanopia

19.5408, 26.1886, 40.1014

Trichromacy



Original Color

16.0998, 26.2769, 23.6254



Protanomaly

18.2248, 24.2694, 21.1767



Deuteranomaly

19.0151, 24.1577, 24.0828



Tritanomaly

17.8723, 25.9684, 33.3486

Monochromacy



Original Color

16.0998, 26.2769, 23.6254



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

13.0809, 17.6589, 18.6387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0998, 26.2769, 23.6254 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, 159, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 125)  
}
```

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, 159, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.0998, 26.2769, 23.6254 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, 159, 125) }
```


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

```
.border{ border-color:rgb(0, 159, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0998, 26.2769, 23.6254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 125) }
```

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

```
.background{ background-color: rgb(0, 159,  
125) }
```

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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