

Converting Colors

XYZ(11.1881, 22.6264, 26.2030)

Have a look what the booklet for
XYZ(11.1881, 22.6264, 26.2030)
contains.

XYZ(16.0244, 25.1639, 26.5668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.0244, 25.1639,
26.5668)**

Conversions

Conversions Part 1

Format	Color
Hex	009B86
RGB	0, 155, 134
RGB Percent	0%, 61%, 53%
CMY	0.9999, 0.3921, 0.4745
CMYK	1.00, 0.00, 0.14, 0.39
HSL	172°, 100%, 30%
HSV	172°, 100%, 61%
XYZ	16.0244, 25.1639, 26.5668
YIQ	106.2610, -85.6390, -39.3910

Conversions

Conversions Part 2

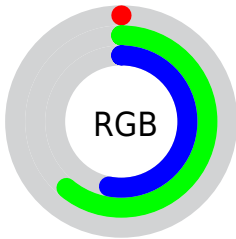
Format	Color
RYB	0, 83, 155
Decimal	39814
CIELab	57.23, -39.45, 1.29
CIELCh	57, 39.471, 178.124
Yxy	25.1639, 0.2365, 0.3714
Android (android.graphics.Color)	4278229894 (0xFF009B86)
YUV	106.2610, 13.6753, -93.1909
Hunter-Lab	50.1636, -30.7659, 3.7144

Details

The XYZ color **16.0244, 25.1639, 26.5668** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.6537, 7.0234, 1.3464**, and the grayscale version is **13.7533, 14.4696, 15.7574**.

A 20% lighter version of the original color is **36.1361, 51.8049, 55.1085**, and **6.4899, 10.3564, 10.2513** is the 20% darker color. If you saturate the color by 10%, you get **16.0247, 25.1647, 26.5665**, and if you desaturate by 10%, it is **16.3784, 25.3299, 27.3563**.

Distribution



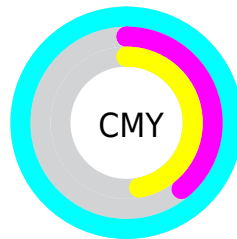
- Red (0%)
- Green (61%)
- Blue (53%)



- Red (0%)
- Yellow (33%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0244, 25.1639, 26.5668 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 16.0244, 25.1639, 26.5668 by changing the saturation by 10% instead.

■ 16.0244, 25.1639,
26.5668

■ 16.0244, 25.1639,
26.5668

■ 222.7532,
278.6532, 299.2470

■ 9.6324, 16.1992,
17.0186

■ 36.1977, 51.9230,
55.1832

■ 5.2163, 9.6652,
10.0856

■ 50.7096, 70.4862,
75.0885

■ 2.4108, 5.1776,
5.3494

■ 68.6589, 93.0177,
99.2832

■ 0.8505, 2.3518,
2.3914

■ 90.4109, 119.9018,
128.1858

■ 0.0000, 0.8009,
0.7818

■ 116.3310,
151.5231, 162.2150

■ 0.0000, 0.0000,
0.0000

■ 146.7845,

188.2658, 201.7892

182.1368,
230.5144, 247.3271

■ 16.0244, 25.1639,
26.5668

■ 16.0244, 25.1639,
26.5668

■ 16.0247, 25.1647,
26.5665

■ 16.3784, 25.3299,
27.3563

■ 16.8894, 25.5759,
28.1680

■ 17.6279, 25.9388,
29.0056

■ 18.6223, 26.4333,
29.8706

■ 19.8969, 27.0719,
30.7643

■ 21.4732, 27.8658,
31.6877

■ 23.3705, 28.8247,
32.6419

■ 25.6067, 29.9580,
33.6276

■ 28.1980, 31.2740,
34.6459

Harmonies

Analogous

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



17.0790, 25.1639, 15.9470



16.0244, 25.1639, 26.5668



16.8455, 25.1639, 41.3839

Triad

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



16.0244, 25.1639, 26.5668



28.4009, 25.1639, 56.8816



28.9751, 25.1639, 10.8590

Complementary

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



16.0244, 25.1639, 26.5668



13.6537, 7.0234, 1.3464

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.



32.7347, 25.1639, 16.9841



16.0244, 25.1639, 26.5668



32.3741, 25.1639, 43.3312

Square

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



16.0244, 25.1639, 26.5668



23.6251, 25.1639, 61.9394



34.0519, 25.1639, 28.2488



24.2124, 25.1639, 8.9061

Rectangle

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



16.0244, 25.1639, 26.5668



18.4146, 25.1639, 51.3302



34.0519, 25.1639, 28.2488



30.4202, 25.1639, 12.3746

Sweetspot

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



16.0251, 25.1649, 26.5674



41.6335, 51.5094, 58.3527



12.0813, 23.6288, 3.9246



9.1087, 11.4997, 13.0548



74.8435, 78.7412, 85.7492



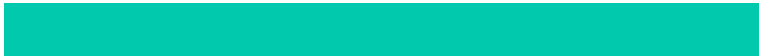
12.6291, 13.2868, 14.4694

Same Dimension

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



16.0251, 25.1649, 26.5674



28.6466, 45.0454, 47.3073



10.5470, 11.6271, 32.6998



6.3486, 7.0121, 7.7589



12.8809, 20.2158, 21.3914



0.2013, 0.3057, 0.3657

Inverse Universe

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



13.6537, 7.0234, 1.3464



24.4098, 12.5605, 2.1929



14.8495, 9.6316, 1.0769



6.2412, 6.2356, 6.6503



10.9750, 5.6442, 1.1273



0.1718, 0.0875, 0.0574

Previews

White Background



This preview shows how the XYZ color 16.0244, 25.1639, 26.5668 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 16.0244, 25.1639, 26.5668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

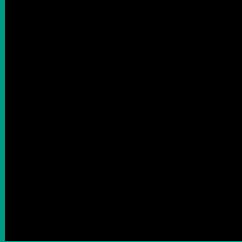
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0244, 25.1639, 26.5668

Background



This preview shows how black text looks on a background with the XYZ color 16.0244, 25.1639, 26.5668.

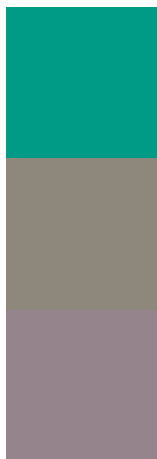


This preview shows how white text looks on a background with the XYZ color 16.0244, 25.1639,

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

16.0244, 25.1639, 26.5668

Protanopia

23.5976, 24.8143, 22.6147

Deuteranopia

25.3059, 24.7562, 27.8708



Tritanopia

18.6323, 25.2698, 38.5459

Trichromacy



Original Color

16.0244, 25.1639, 26.5668



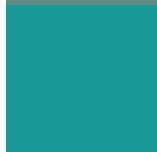
Protanomaly

17.9352, 23.3771, 23.9890



Deuteranomaly

18.6128, 22.9952, 27.1244



Tritanomaly

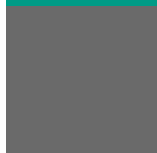
17.3477, 24.9565, 33.6085

Monochromacy



Original Color

16.0244, 25.1639, 26.5668



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.6748, 16.8695, 19.1111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0244, 25.1639, 26.5668 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, 155, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 134) }
```

Border

The CSS property to change the border of an element to XYZ 16.0244, 25.1639, 26.5668 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, 155, 134) }
```


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

```
.border{ border-color:rgb(0, 155, 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, 155, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0244, 25.1639, 26.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 134) }
```

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

```
.background{ background-color: rgb(0, 155,  
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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