

Converting Colors

XYZ(4.6475, 19.8034, 28.9498)

Have a look what the booklet for
XYZ(4.6475, 19.8034, 28.9498)
contains.

XYZ(16.8647, 26.0370, 29.3361)	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(16.8647, 26.0370,
29.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	009D8D
RGB	0, 157, 141
RGB Percent	0%, 62%, 55%
CMY	0.9999, 0.3843, 0.4471
CMYK	1.00, 0.00, 0.10, 0.38
HSL	174°, 100%, 31%
HSV	174°, 100%, 62%
XYZ	16.8647, 26.0370, 29.3361
YIQ	108.2330, -88.4360, -38.2600

Conversions

Conversions Part 2

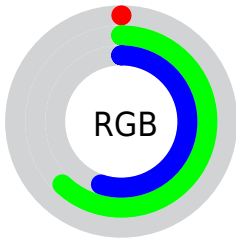
Format	Color
RYB	0, 83, 157
Decimal	40333
CIELab	58.07, -38.31, -1.46
CIELCh	58, 38.341, 182.188
Yxy	26.0370, 0.2335, 0.3604
Android (android.graphics.Color)	4278230413 (0xFF009D8D)
YUV	108.2330, 16.1541, -94.9203
Hunter-Lab	51.0265, -30.3005, 1.6316

Details

The XYZ color **16.8647, 26.0370, 29.3361** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.9990, 7.2063, 1.1443**, and the grayscale version is **14.2953, 15.0398, 16.3783**.

A 20% lighter version of the original color is **37.6103, 53.2008, 59.9163**, and **6.9399, 10.8585, 11.6277** is the 20% darker color. If you saturate the color by 10%, you get **16.8650, 26.0378, 29.3358**, and if you desaturate by 10%, it is **17.1941, 26.1936, 29.9783**.

Distribution



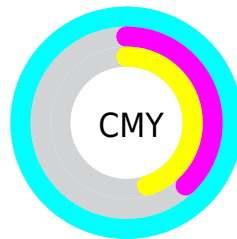
- Red (0%)
- Green (62%)
- Blue (55%)



- Red (0%)
- Yellow (33%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8647, 26.0370, 29.3361 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 16.8647, 26.0370, 29.3361 by changing the saturation by 10% instead.

■ 16.8647, 26.0370,
29.3361

■ 16.8647, 26.0370,
29.3361

■ 227.5630,
282.9637, 312.9079

■ 10.2328, 16.8513,
19.0875

■ 37.6385, 53.3346,
59.6592

■ 5.6170, 10.1285,
11.5560

■ 52.5110, 72.2154,
80.5707

■ 2.6521, 5.4843,
6.3233

■ 70.8611, 95.0966,
105.8737

■ 0.9726, 2.5341,
2.9707

■ 93.0542, 122.3627,
135.9865

■ 0.0000, 0.8937,
1.0797

■ 119.4555,
154.3980, 171.3278

■ 0.0000, 0.0000,
0.0000

■ 150.4306,

191.5871, 212.3161

186.3446,
234.3141, 259.3700

■ 16.8647, 26.0370,
29.3361

■ 16.8647, 26.0370,
29.3361

■ 16.8650, 26.0378,
29.3358

■ 17.1941, 26.1936,
29.9783

■ 17.6848, 26.4324,
30.6364

■ 18.4083, 26.7912,
31.3145

■ 19.3941, 27.2849,
32.0140

■ 20.6674, 27.9267,
32.7361

■ 22.2502, 28.7278,
33.4818

■ 24.1625, 29.6985,
34.2522

■ 26.4227, 30.8484,
35.0480

■ 29.0476, 32.1861,
35.8702

Harmonies

Analogous

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



17.6697, 26.0370, 18.0277



16.8647, 26.0370, 29.3361



17.9430, 26.0370, 44.2429

Triad

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



16.8647, 26.0370, 29.3361



29.8070, 26.0370, 55.9140



29.1445, 26.0370, 11.2321

Complementary

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



16.8647, 26.0370, 29.3361



13.9990, 7.2063, 1.1443

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.



33.0854, 26.0370, 16.8075



16.8647, 26.0370, 29.3361



33.5003, 26.0370, 42.0094

Square

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



16.8647, 26.0370, 29.3361



25.0894, 26.0370, 62.2844



34.7682, 26.0370, 27.3860



24.4085, 26.0370, 9.7241

Rectangle

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



16.8647, 26.0370, 29.3361



19.6741, 26.0370, 53.6847



34.7682, 26.0370, 27.3860



30.6255, 26.0370, 12.5839

Sweetspot

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



16.8655, 26.0380, 29.3367



43.0515, 53.0738, 61.2574



12.3133, 24.2466, 4.0317



9.1667, 11.5228, 13.3600



74.8435, 78.7412, 85.7492



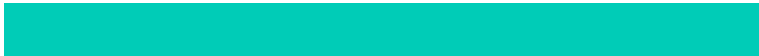
12.6291, 13.2868, 14.4694

Same Dimension

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



16.8655, 26.0380, 29.3367



30.1616, 46.6132, 52.3199



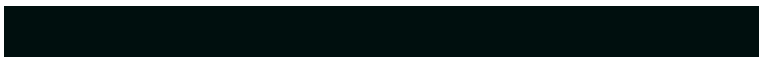
10.3450, 10.9520, 33.4680



6.7927, 7.4978, 8.3429



13.7048, 21.1499, 23.8665



0.2526, 0.3812, 0.4666

Inverse Universe

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



13.9990, 7.2063, 1.1443



25.0353, 12.8908, 1.8681



15.5315, 10.4209, 1.1935



6.6592, 6.6566, 7.0563



11.3762, 5.8550, 0.9661



0.2105, 0.1075, 0.0544

Previews

White Background



This preview shows how the XYZ color 16.8647, 26.0370, 29.3361 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 16.8647, 26.0370, 29.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

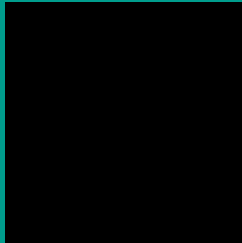
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8647, 26.0370, 29.3361

Background



This preview shows how black text looks on a background with the XYZ color 16.8647, 26.0370, 29.3361.

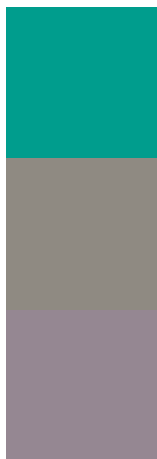


This preview shows how white text looks on a background with the XYZ color 16.8647, 26.0370,

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

16.8647, 26.0370, 29.3361

Protanopia

24.4454, 25.6283, 24.7774

Deuteranopia

26.2467, 25.7928, 30.7893



Tritanopia

19.1492, 25.9868, 40.0831

Trichromacy



Original Color

16.8647, 26.0370, 29.3361



Protanomaly

18.7429, 24.1962, 26.2367



Deuteranomaly

19.5758, 24.0914, 30.0039



Tritanomaly

18.0423, 25.7522, 35.9180

Monochromacy



Original Color

16.8647, 26.0370, 29.3361



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

13.3053, 17.5430, 20.4542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8647, 26.0370, 29.3361 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, 157, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 141)  
}
```

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, 157, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.8647, 26.0370, 29.3361 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, 157, 141) }
```


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

```
.border{ border-color:rgb(0, 157, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8647, 26.0370, 29.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 141) }
```

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

```
.background{ background-color: rgb(0, 157,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor