

Converting Colors

XYZ(12.6010, 23.9903, 28.2174)

Have a look what the booklet for
XYZ(12.6010, 23.9903, 28.2174)
contains.

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Color

**XYZ(16.8871, 26.3178,
28.6159)**

Conversions

Conversions Part 1

Format	Color
Hex	009E8B
RGB	0, 158, 139
RGB Percent	0%, 62%, 55%
CMY	0.9999, 0.3804, 0.4549
CMYK	1.00, 0.00, 0.12, 0.38
HSL	173°, 100%, 31%
HSV	173°, 100%, 62%
XYZ	16.8871, 26.3178, 28.6159
YIQ	108.5920, -88.0690, -39.4050

Conversions

Conversions Part 2

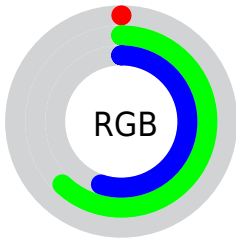
Format	Color
RYB	0, 84, 158
Decimal	40587
CIELab	58.34, -39.33, 0.06
CIELCh	58, 39.332, 179.914
Yxy	26.3178, 0.2351, 0.3664
Android (android.graphics.Color)	4278230667 (0xFF009E8B)
YUV	108.5920, 14.9911, -95.2352
Hunter-Lab	51.3009, -31.0183, 2.8383

Details

The XYZ color **16.8871, 26.3178, 28.6159** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.2190, 7.3170, 1.2801**, and the grayscale version is **14.3995, 15.1494, 16.4977**.

A 20% lighter version of the original color is **37.5251, 53.5679, 58.2310**, and **6.9572, 11.0293, 11.2134** is the 20% darker color. If you saturate the color by 10%, you get **16.8873, 26.3186, 28.6154**, and if you desaturate by 10%, it is **17.2384, 26.4833, 29.3642**.

Distribution



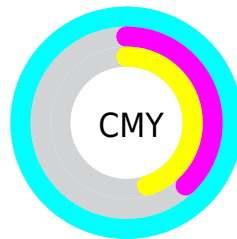
- Red (0%)
- Green (62%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8871, 26.3178, 28.6159 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 16.8871, 26.3178, 28.6159 by changing the saturation by 10% instead.

■ 16.8871, 26.3178,
28.6159

■ 16.8871, 26.3178,
28.6159

■ 227.6899,
284.3387, 309.4024

■ 10.2488, 17.0615,
18.5474

■ 37.6767, 53.7872,
58.5012

■ 5.6278, 10.2784,
11.1702

■ 52.5588, 72.7691,
79.1550

■ 2.6586, 5.5839,
6.0658

■ 70.9194, 95.7617,
104.1743

■ 0.9759, 2.5938,
2.8157

■ 93.1241, 123.1494,
133.9776

■ 0.0000, 0.9235,
1.0013

■ 119.5381,
155.3165, 168.9836

■ 0.0000, 0.0000,
0.0000

■ 150.5269,

192.6475, 209.6107

186.4557,
235.5268, 256.2774

■ 16.8871, 26.3178,
28.6159

■ 16.8871, 26.3178,
28.6159

■ 16.8873, 26.3186,
28.6154

■ 17.2384, 26.4833,
29.3642

■ 17.7543, 26.7328,
30.1322

■ 18.5071, 27.1042,
30.9241

■ 19.5269, 27.6128,
31.7413

■ 20.8390, 28.2720,
32.5850

■ 22.4660, 29.0931,
33.4563

■ 24.4282, 30.0868,
34.3563

■ 26.7442, 31.2625,
35.2859

■ 29.4311, 32.6292,
36.2459

Harmonies

Analogous

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



17.8603, 26.3178, 17.3607



16.8871, 26.3178, 28.6159



17.8492, 26.3178, 43.9281

Triad

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



16.8871, 26.3178, 28.6159



29.8951, 26.3178, 58.1444



29.9221, 26.3178, 11.3533

Complementary

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



16.8871, 26.3178, 28.6159



14.2190, 7.3170, 1.2801

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.



33.8784, 26.3178, 17.4100



16.8871, 26.3178, 28.6159



33.8614, 26.3178, 44.0197

Square

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



16.8871, 26.3178, 28.6159



25.0004, 26.3178, 63.9612



35.4030, 26.3178, 28.6954



25.0282, 26.3178, 9.5419

Rectangle

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



16.8871, 26.3178, 28.6159



19.5390, 26.3178, 53.9493



35.4030, 26.3178, 28.6954



31.4273, 26.3178, 12.8398

Sweetspot

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



16.8879, 26.3188, 28.6165



44.1281, 54.5180, 62.2892



12.5385, 24.6150, 4.0910



9.6159, 12.1224, 13.8955



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.



16.8879, 26.3188, 28.6165



30.6172, 47.7732, 51.7047



10.7366, 11.5980, 34.0216



6.7875, 7.4957, 8.3155



13.5342, 21.0816, 22.9677



0.2507, 0.3804, 0.4567

Inverse Universe

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



14.2190, 7.3170, 1.2801



25.7804, 13.2702, 2.1135



15.6117, 10.2904, 1.1641



6.6639, 6.6585, 7.0813



11.3957, 5.8628, 1.0686



0.2120, 0.1081, 0.0625

Previews

White Background



This preview shows how the XYZ color 16.8871, 26.3178, 28.6159 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 16.8871, 26.3178, 28.6159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

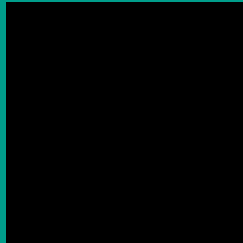
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8871, 26.3178, 28.6159

Background



This preview shows how black text looks on a background with the XYZ color 16.8871, 26.3178, 28.6159.

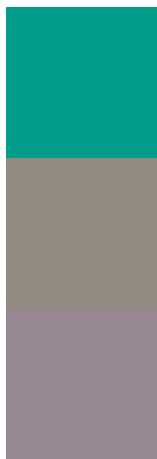


This preview shows how white text looks on a background with the XYZ color 16.8871, 26.3178,

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

16.8871, 26.3178, 28.6159

Protanopia

24.8721, 26.0700, 24.4900

Deuteranopia

26.4605, 25.9209, 29.9942



Tritanopia

19.4855, 26.3935, 40.6267

Trichromacy



Original Color

16.8871, 26.3178, 28.6159



Protanomaly

18.9262, 24.5265, 25.9269



Deuteranomaly

19.5288, 24.0847, 29.2107



Tritanomaly

18.2591, 26.1100, 35.9757

Monochromacy



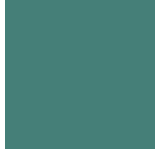
Original Color

16.8871, 26.3178, 28.6159



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.4338, 17.8000, 20.4970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8871, 26.3178, 28.6159 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, 158, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 139) }
```

Border

The CSS property to change the border of an element to XYZ 16.8871, 26.3178, 28.6159 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, 158, 139) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8871, 26.3178, 28.6159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 139) }
```

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

```
.background{ background-color: rgb(0, 158,  
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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