

Converting Colors

XYZ(16.8184, 26.3176, 28.1700)

Have a look what the booklet for
XYZ(16.8184, 26.3176, 28.1700)
contains.

XYZ(16.8143, 26.2887, 28.2328)	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(16.8143, 26.2887,
28.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	009E8A
RGB	0, 158, 138
RGB Percent	0%, 62%, 54%
CMY	0.9999, 0.3804, 0.4588
CMYK	1.00, 0.00, 0.13, 0.38
HSL	172°, 100%, 31%
HSV	172°, 100%, 62%
XYZ	16.8143, 26.2887, 28.2328
YIQ	108.4780, -87.7480, -39.7160

Conversions

Conversions Part 2

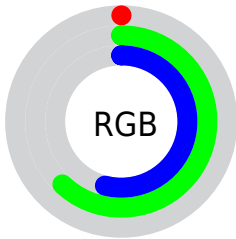
Format	Color
RYB	0, 84, 158
Decimal	40586
CIELab	58.31, -39.62, 0.59
CIELCh	58, 39.623, 179.152
Yxy	26.2887, 0.2357, 0.3685
Android (android.graphics.Color)	4278230666 (0xFF009E8A)
YUV	108.4780, 14.5543, -95.1352
Hunter-Lab	51.2725, -31.1896, 3.2432

Details

The XYZ color **16.8143, 26.2887, 28.2328** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.2277, 7.3203, 1.3258**, and the grayscale version is **14.3681, 15.1163, 16.4617**.

A 20% lighter version of the original color is **37.4147, 53.5237, 57.6494**, and **6.9155, 11.0126, 10.9937** is the 20% darker color. If you saturate the color by 10%, you get **16.8147, 26.2895, 28.2325**, and if you desaturate by 10%, it is **17.1716, 26.4566, 29.0132**.

Distribution



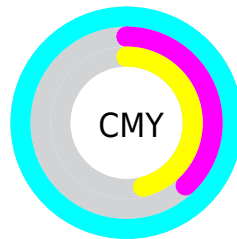
- Red (0%)
- Green (62%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8143, 26.2887, 28.2328 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 16.8143, 26.2887, 28.2328 by changing the saturation by 10% instead.

■ 16.8143, 26.2887,
28.2328

■ 16.8143, 26.2887,
28.2328

227.2771,
284.1964, 307.5245

■ 10.1967, 17.0397,
18.2607

■ 37.5524, 53.7403,
57.8835

■ 5.5928, 10.2628,
10.9659

■ 52.4035, 72.7118,
78.3991

■ 2.6374, 5.5736,
5.9300

■ 70.7298, 95.6929,
103.2662

■ 0.9650, 2.5876,
2.7345

■ 92.8967, 123.0680,
132.9035

■ 0.0000, 0.9204,
0.9607

■ 119.2696,
155.2215, 167.7295

■ 0.0000, 0.0000,
0.0000

■ 150.2137,

192.5378, 208.1626

186.0944,
235.4013, 254.6214

■ 16.8143, 26.2887,
28.2328

■ 16.8143, 26.2887,
28.2328

■ 16.8147, 26.2895,
28.2325

■ 17.1716, 26.4566,
29.0132

■ 17.6938, 26.7086,
29.8147

■ 18.4532, 27.0826,
30.6414

■ 19.4797, 27.5940,
31.4947

■ 20.7989, 28.2559,
32.3760

■ 22.4332, 29.0799,
33.2862

■ 24.4029, 30.0766,
34.2266

■ 26.7267, 31.2554,
35.1979

■ 29.4216, 32.6253,
36.2011

Harmonies

Analogous

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



17.8411, 26.2887, 17.0519



16.8143, 26.2887, 28.2328



17.7317, 26.2887, 43.6075

Triad

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



16.8143, 26.2887, 28.2328



29.7814, 26.2887, 58.6449



30.0494, 26.2887, 11.3418

Complementary

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



16.8143, 26.2887, 28.2328



14.2277, 7.3203, 1.3258

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.



33.9913, 26.2887, 17.5383



16.8143, 26.2887, 28.2328



33.8232, 26.2887, 44.5147

Square

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



16.8143, 26.2887, 28.2328



24.8497, 26.2887, 64.2356



35.4526, 26.2887, 29.0186



25.1241, 26.2887, 9.4348

Rectangle

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



16.8143, 26.2887, 28.2328



19.3991, 26.2887, 53.7790



35.4526, 26.2887, 29.0186



31.5555, 26.2887, 12.8681

Sweetspot

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



16.8151, 26.2897, 28.2334



44.0826, 54.4998, 62.0496



12.5384, 24.6149, 4.0908



9.6044, 12.1178, 13.8349



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.



16.8151, 26.2897, 28.2334



30.4830, 47.7195, 50.9983



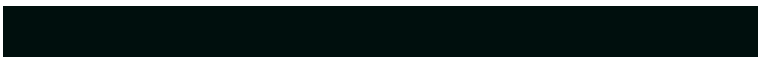
10.7364, 11.5976, 34.0216



6.7857, 7.4950, 8.3060



13.4763, 21.0585, 22.6632



0.2501, 0.3802, 0.4534

Inverse Universe

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



14.2277, 7.3203, 1.3258



25.7947, 13.2759, 2.1891



15.6115, 10.2900, 1.1639



6.6655, 6.6591, 7.0899



11.4029, 5.8657, 1.1069



0.2125, 0.1083, 0.0653

Previews

White Background



This preview shows how the XYZ color 16.8143, 26.2887, 28.2328 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 16.8143, 26.2887, 28.2328 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 16.8143, 26.2887, 28.2328

Background



This preview shows how black text looks on a background with the XYZ color 16.8143, 26.2887, 28.2328.

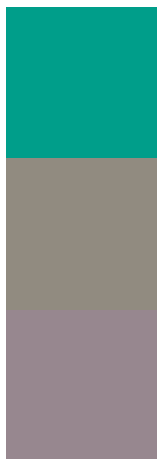


This preview shows how white text looks on a background with the XYZ color 16.8143, 26.2887,

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

16.8143, 26.2887, 28.2328

Protanopia

24.8060, 26.0435, 24.1416

Deuteranopia

26.3844, 25.8904, 29.5933



Tritanopia

19.3934, 26.3566, 40.1416

Trichromacy



Original Color

16.8143, 26.2887, 28.2328

Protanomaly

18.8574, 24.4990, 25.5647

Deuteranomaly

19.4540, 24.0548, 28.8170

Tritanomaly

18.1741, 26.0760, 35.5278

Monochromacy



Original Color

16.8143, 26.2887, 28.2328

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2449, 17.5188, 20.1362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8143, 26.2887, 28.2328 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 138) }
```

Border

The CSS property to change the border of an element to XYZ 16.8143, 26.2887, 28.2328 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, 138) }
```


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

```
.border{ border-color:rgb(0, 158, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8143, 26.2887, 28.2328 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, 138) }
```

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

```
.background{ background-color: rgb(0, 158,  
138) }
```

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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