

Converting Colors

XYZ(16.5736, 26.2197, 26.8812)

Have a look what the booklet for
XYZ(16.5736, 26.2197, 26.8812)
contains.

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Color

**XYZ(16.5299, 26.1750,
26.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	009E86
RGB	0, 158, 134
RGB Percent	0%, 62%, 53%
CMY	1.0000, 0.3804, 0.4745
CMYK	1.00, 0.00, 0.15, 0.38
HSL	171°, 100%, 31%
HSV	171°, 100%, 62%
XYZ	16.5299, 26.1750, 26.7353
YIQ	108.0220, -86.4640, -40.9600

Conversions

Conversions Part 2

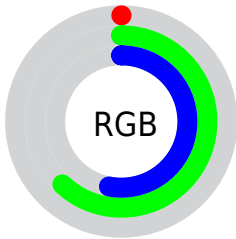
Format	Color
RYB	0, 85, 158
Decimal	40582
CIELab	58.20, -40.75, 2.70
CIELCh	58, 40.837, 176.213
Yxy	26.1750, 0.2380, 0.3769
Android (android.graphics.Color)	4278230662 (0xFF009E86)
YUV	108.0220, 12.8072, -94.7353
Hunter-Lab	51.1615, -31.8606, 4.8301

Details

The XYZ color **16.5299, 26.1750, 26.7353** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.2662, 7.3356, 1.5289**, and the grayscale version is **14.2440, 14.9858, 16.3195**.

A 20% lighter version of the original color is **36.9803, 53.3500, 55.3622**, and **6.7937, 10.9639, 10.3525** is the 20% darker color. If you saturate the color by 10%, you get **16.5304, 26.1759, 26.7352**, and if you desaturate by 10%, it is **16.9104, 26.3522, 27.6377**.

Distribution



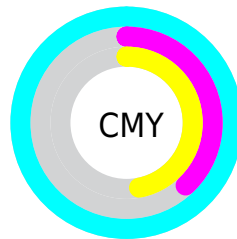
- Red (0%)
- Green (62%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5299, 26.1750, 26.7353 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 16.5299, 26.1750, 26.7353 by changing the saturation by 10% instead.

■ 16.5299, 26.1750,
26.7353

■ 16.5299, 26.1750,
26.7353

■ 225.6580,
283.6401, 300.0927

■ 9.9931, 16.9546,
17.1438

■ 37.0658, 53.5571,
55.4574

■ 5.4566, 10.2021,
10.1741

■ 51.7956, 72.4877,
75.4251

■ 2.5551, 5.5332,
5.4074

■ 69.9871, 95.4237,
99.6886

■ 0.9231, 2.5634,
2.4253

■ 92.0057, 122.7496,
128.6665

■ 0.0000, 0.9083,
0.8002

■ 118.2168,
154.8498, 162.7774

■ 0.0000, 0.0000,
0.0000

■ 148.9856,

192.1087, 202.4396

184.6776,
234.9106, 248.0719

■ 16.5299, 26.1750,
26.7353

■ 16.5299, 26.1750,
26.7353

■ 16.5304, 26.1759,
26.7352

■ 16.9104, 26.3522,
27.6377

■ 17.4568, 26.6139,
28.5672

■ 18.2415, 26.9980,
29.5280

■ 19.2946, 27.5199,
30.5215

■ 20.6414, 28.1929,
31.5492

■ 22.3046, 29.0285,
32.6121

■ 24.3044, 30.0372,
33.7114

■ 26.6594, 31.2285,
34.8480

■ 29.3868, 32.6113,
36.0228

Harmonies

Analogous

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



17.7693, 26.1750, 15.8577



16.5299, 26.1750, 26.7353



17.2711, 26.1750, 42.3346

Triad

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



16.5299, 26.1750, 26.7353



29.3296, 26.1750, 60.6660



30.5631, 26.1750, 11.3031

Complementary

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



16.5299, 26.1750, 26.7353



14.2662, 7.3356, 1.5289

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.



34.4447, 26.1750, 18.0650



16.5299, 26.1750, 26.7353



33.6687, 26.1750, 46.5306

Square

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



16.5299, 26.1750, 26.7353



24.2544, 26.1750, 65.3263



35.6500, 26.1750, 30.3410



25.5133, 26.1750, 9.0208

Rectangle

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



16.5299, 26.1750, 26.7353



18.8498, 26.1750, 53.0911



35.6500, 26.1750, 30.3410



32.0725, 26.1750, 12.9892

Sweetspot

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



16.5306, 26.1760, 26.7359



43.9017, 54.4275, 61.0970



12.6622, 24.6789, 4.0965



9.5587, 12.0995, 13.5940



76.7382, 80.7346, 87.9200



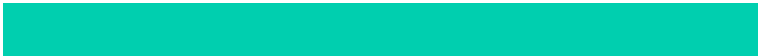
13.3056, 13.9985, 15.2444

Same Dimension

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



16.5306, 26.1760, 26.7359



29.9587, 47.5098, 48.2371



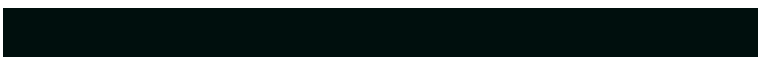
11.2581, 12.6412, 34.1956



6.7785, 7.4922, 8.2683



13.2502, 20.9680, 21.4722



0.2476, 0.3792, 0.4401

Inverse Universe

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



14.2662, 7.3356, 1.5289



25.8589, 13.3016, 2.5272



15.3595, 9.7861, 1.0797



6.6721, 6.6618, 7.1244



11.4350, 5.8786, 1.2756



0.2147, 0.1092, 0.0765

Previews

White Background



This preview shows how the XYZ color 16.5299, 26.1750, 26.7353 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 16.5299, 26.1750, 26.7353 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 16.5299, 26.1750, 26.7353

Background



This preview shows how black text looks on a background with the XYZ color 16.5299, 26.1750, 26.7353.

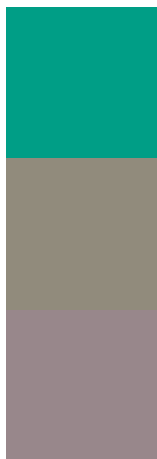


This preview shows how white text looks on a background with the XYZ color 16.5299, 26.1750,

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

16.5299, 26.1750, 26.7353

Protanopia

24.5478, 25.9402, 22.7819

Deuteranopia

26.2731, 25.8674, 28.0343



Tritanopia

19.4772, 26.3998, 40.1455

Trichromacy



Original Color

16.5299, 26.1750, 26.7353

Protanomaly

18.5888, 24.3916, 24.1504

Deuteranomaly

19.2676, 23.9925, 27.2824

Tritanomaly

18.0330, 26.0227, 34.6443

Monochromacy



Original Color

16.5299, 26.1750, 26.7353

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1260, 17.4713, 19.5101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5299, 26.1750, 26.7353 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 134) }
```

Border

The CSS property to change the border of an element to XYZ 16.5299, 26.1750, 26.7353 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, 134) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5299, 26.1750, 26.7353 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, 134) }
```

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

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