

Converting Colors

XYZ(16.0132, 26.2797, 23.0525)

Have a look what the booklet for
XYZ(16.0132, 26.2797, 23.0525)
contains.

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Color

**XYZ(15.9733, 26.2263,
22.9592)**

Conversions

Conversions Part 1

Format	Color
Hex	009F7B
RGB	0, 159, 123
RGB Percent	0%, 62%, 48%
CMY	0.9999, 0.3765, 0.5176
CMYK	1.00, 0.00, 0.23, 0.38
HSL	166°, 100%, 31%
HSV	166°, 100%, 62%
XYZ	15.9733, 26.2263, 22.9592
YIQ	107.3550, -83.2080, -44.9040

Conversions

Conversions Part 2

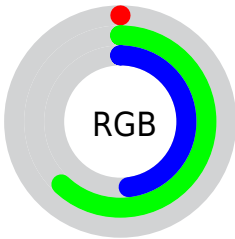
Format	Color
RYB	0, 90, 159
Decimal	40827
CIELab	58.25, -44.12, 8.98
CIELCh	58, 45.029, 168.498
Yxy	26.2263, 0.2451, 0.4025
Android (android.graphics.Color)	4278230907 (0xFF009F7B)
YUV	107.3550, 7.7130, -94.1503
Hunter-Lab	51.2116, -33.9448, 9.2672

Details

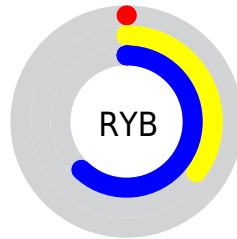
The XYZ color **15.9733, 26.2263, 22.9592** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.6175, 7.4991, 2.3476**, and the grayscale version is **14.0713, 14.8041, 16.1217**.

A 20% lighter version of the original color is **36.1581, 53.8199, 49.0400**, and **6.3901, 10.8025, 8.2269** is the 20% darker color. If you saturate the color by 10%, you get **15.9735, 26.2271, 22.9585**, and if you desaturate by 10%, it is **16.4157, 26.4285, 24.1789**.

Distribution



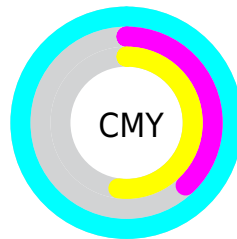
- Red (0%)
- Green (62%)
- Blue (48%)



- Red (0%)
- Yellow (35%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9733, 26.2263, 22.9592 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 15.9733, 26.2263, 22.9592 by changing the saturation by 10% instead.

■ 15.9733, 26.2263,
22.9592

■ 15.9733, 26.2263,
22.9592

222.4576,
283.8912, 280.6305

■ 9.5960, 16.9930,
14.3584

■ 36.1097, 53.6398,
49.2487

■ 5.1921, 10.2295,
8.2287

■ 50.5994, 72.5888,
67.7744

■ 2.3963, 5.5514,
4.1518

■ 68.5241, 95.5452,
90.4455

■ 0.8433, 2.5743,
1.7090

■ 90.2489, 122.8933,
117.6805

■ 0.0000, 0.9138,
0.3669

■ 116.1393,
155.0176, 149.8980

■ 0.0000, 0.0000,
0.0000

■ 146.5607,

192.3024, 187.5164

181.8783,
235.1321, 230.9544

■ 15.9733, 26.2263,
22.9592

■ 15.9733, 26.2263,
22.9592

■ 15.9735, 26.2271,
22.9585

■ 16.4157, 26.4285,
24.1789

■ 17.0315, 26.7184,
25.4499

■ 17.8936, 27.1344,
26.7766

■ 19.0326, 27.6921,
28.1609

■ 20.4744, 28.4049,
29.6044

■ 22.2420, 29.2847,
31.1087

■ 24.3560, 30.3420,
32.6750

■ 26.8353, 31.5867,
34.3048

■ 29.6976, 33.0277,
35.9992

Harmonies

Analogous

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



17.8486, 26.2263, 12.8812



15.9733, 26.2263, 22.9592



16.2216, 26.2263, 39.2230

Triad

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



15.9733, 26.2263, 22.9592



28.4167, 26.2263, 67.7233



32.5694, 26.2263, 11.4115

Complementary

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



15.9733, 26.2263, 22.9592



14.6175, 7.4991, 2.3476

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.



36.2956, 26.2263, 20.0228



15.9733, 26.2263, 22.9592



33.6667, 26.2263, 53.5385

Square

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



15.9733, 26.2263, 22.9592



22.8877, 26.2263, 69.4301



36.7242, 26.2263, 34.9956



27.0847, 26.2263, 8.0366

Rectangle

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



15.9733, 26.2263, 22.9592



17.5664, 26.2263, 51.7200



36.7242, 26.2263, 34.9956



34.1016, 26.2263, 13.6059

Sweetspot

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



15.9740, 26.2273, 22.9598



43.3800, 54.2188, 58.3498



13.1657, 25.1926, 4.1693



9.4271, 12.0469, 12.9013



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.



15.9740, 26.2273, 22.9598



28.5297, 46.9382, 40.7123



12.5740, 15.1345, 35.0605



6.7575, 7.4838, 8.1578



12.6323, 20.7208, 18.2183



0.2405, 0.3763, 0.4025

Inverse Universe

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



14.6175, 7.4991, 2.3476



26.1151, 13.4041, 3.8761



15.1414, 9.0567, 0.9506



6.6915, 6.6695, 7.2267



11.5584, 5.9279, 1.9256



0.2209, 0.1117, 0.1094

Previews

White Background



This preview shows how the XYZ color 15.9733, 26.2263, 22.9592 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 15.9733, 26.2263, 22.9592 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

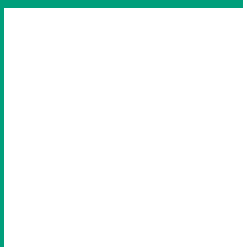
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9733, 26.2263, 22.9592

Background



This preview shows how black text looks on a background with the XYZ color 15.9733, 26.2263, 22.9592.



This preview shows how white text looks on a background with the XYZ color 15.9733, 26.2263,

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

15.9733, 26.2263, 22.9592

Protanopia

24.4260, 25.9534, 19.3449

Deuteranopia

26.3260, 25.7768, 24.0100



Tritanopia

19.5896, 26.2137, 40.1037

Trichromacy



Original Color

15.9733, 26.2263, 22.9592



Protanomaly

18.1059, 24.2218, 20.5506



Deuteranomaly

18.8439, 23.8606, 23.3510



Tritanomaly

17.8220, 25.9518, 32.9240

Monochromacy



Original Color

15.9733, 26.2263, 22.9592



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.8254, 17.3429, 18.2943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9733, 26.2263, 22.9592 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, 159, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 123)  
}
```

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, 159, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.9733, 26.2263, 22.9592 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, 159, 123) }
```


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

```
.border{ border-color:rgb(0, 159, 123) }
```

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

Here you see how a box with a 4 pixel rgb(0, 159, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9733, 26.2263, 22.9592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 123) }
```

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

```
.background{ background-color: rgb(0, 159,  
123) }
```

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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