

Converting Colors

XYZ(7.0664, 19.4944, 28.7782)

Have a look what the booklet for
XYZ(7.0664, 19.4944, 28.7782)
contains.

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Color

**XYZ(15.8743, 24.0563,
29.0060)**

Conversions

Conversions Part 1

Format	Color
Hex	00978D
RGB	0, 151, 141
RGB Percent	0%, 59%, 55%
CMY	0.9999, 0.4078, 0.4471
CMYK	1.00, 0.00, 0.07, 0.41
HSL	176°, 100%, 30%
HSV	176°, 100%, 59%
XYZ	15.8743, 24.0563, 29.0060
YIQ	104.7110, -86.7860, -35.1220

Conversions

Conversions Part 2

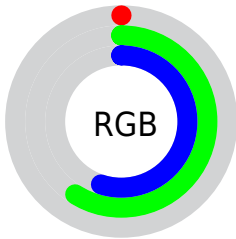
Format	Color
RYB	0, 78, 151
Decimal	38797
CIELab	56.14, -35.61, -4.30
CIELCh	56, 35.873, 186.888
Yxy	24.0563, 0.2303, 0.3490
Android (android.graphics.Color)	4278228877 (0xFF00978D)
YUV	104.7110, 17.8905, -91.8315
Hunter-Lab	49.0472, -28.0605, -0.7304

Details

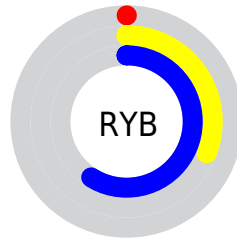
The XYZ color **15.8743, 24.0563, 29.0060** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.8180, 6.6019, 0.8864**, and the grayscale version is **13.3208, 14.0145, 15.2618**.

A 20% lighter version of the original color is **36.0415, 50.2066, 59.4210**, and **6.3502, 9.6790, 11.4311** is the 20% darker color. If you saturate the color by 10%, you get **15.8747, 24.0571, 29.0061**, and if you desaturate by 10%, it is **16.1485, 24.1896, 29.4097**.

Distribution



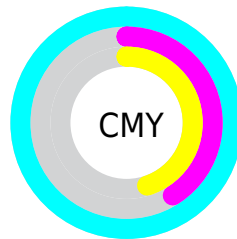
- Red (0%)
- Green (59%)
- Blue (55%)



- Red (0%)
- Yellow (31%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8743, 24.0563, 29.0060 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 15.8743, 24.0563, 29.0060 by changing the saturation by 10% instead.

■ 15.8743, 24.0563,
29.0060

■ 15.8743, 24.0563,
29.0060

■ 221.8838,
273.1050, 311.3051

■ 9.5255, 15.3754,
18.8397

■ 35.9391, 50.1221,
59.1289

■ 5.1454, 9.0833,
11.3789

■ 50.3858, 68.2757,
79.9227

■ 2.3684, 4.7955,
6.2049

■ 68.2625, 90.3557,
105.0960

■ 0.8293, 2.1278,
2.8993

■ 89.9346, 116.7465,
135.0674

■ 0.0000, 0.6802,
1.0434

■ 115.7674,
147.8324, 170.2555

■ 0.0000, 0.0000,
0.0000

■ 146.1263,

183.9978, 211.0788

181.3767,
225.6272, 257.9558

■ 15.8743, 24.0563,
29.0060

■ 15.8743, 24.0563,
29.0060

■ 15.8747, 24.0571,
29.0061

■ 16.1485, 24.1896,
29.4097

■ 16.5668, 24.3965,
29.8231

■ 17.1974, 24.7128,
30.2500

■ 18.0668, 25.1521,
30.6915

■ 19.1978, 25.7262,
31.1489

■ 20.6105, 26.4454,
31.6230

■ 22.3230, 27.3191,
32.1147

■ 24.3519, 28.3559,
32.6248

■ 26.7125, 29.5636,
33.1540

Harmonies

Analogous

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



16.3318, 24.0563, 18.2666



15.8743, 24.0563, 29.0060



17.1019, 24.0563, 42.2868

Triad

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



15.8743, 24.0563, 29.0060



27.9510, 24.0563, 48.8210



26.1137, 24.0563, 10.3899

Complementary

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



15.8743, 24.0563, 29.0060



12.8180, 6.6019, 0.8864

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.



29.7956, 24.0563, 14.8093



15.8743, 24.0563, 29.0060



30.9421, 24.0563, 36.1339

Square

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



15.8743, 24.0563, 29.0060



23.8269, 24.0563, 55.7482



31.6547, 24.0563, 23.5684



21.9289, 24.0563, 9.5216

Rectangle

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



15.8743, 24.0563, 29.0060



18.8088, 24.0563, 50.1295



31.6547, 24.0563, 23.5684



27.4656, 24.0563, 11.4275

Sweetspot

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



15.8750, 24.0572, 29.0066



39.7728, 48.8197, 57.4568



11.1933, 22.1991, 3.6954



8.7575, 10.9519, 12.9808



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8750, 24.0572, 29.0066



28.4021, 43.0712, 51.8043



8.8803, 8.8225, 30.5140



6.3669, 7.0195, 7.8556



13.5087, 20.4669, 24.6970



0.2065, 0.3078, 0.3933

Inverse Universe

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



12.8180, 6.6019, 0.8864



22.9288, 11.8118, 1.4524



14.6789, 10.4114, 1.2364



6.2246, 6.2290, 6.5627



10.9083, 5.6176, 0.7761



0.1669, 0.0855, 0.0320

Previews

White Background



This preview shows how the XYZ color 15.8743, 24.0563, 29.0060 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 15.8743, 24.0563, 29.0060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

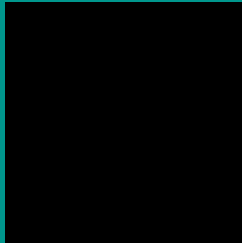
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8743, 24.0563, 29.0060

Background



This preview shows how black text looks on a background with the XYZ color 15.8743, 24.0563, 29.0060.



This preview shows how white text looks on a background with the XYZ color 15.8743, 24.0563,

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

15.8743, 24.0563, 29.0060

Protanopia

22.8008, 23.7321, 24.8518

Deuteranopia

24.3263, 23.7914, 30.5042



Tritanopia

17.6282, 24.0752, 36.9756

Trichromacy



Original Color

15.8743, 24.0563, 29.0060

Protanomaly

17.6817, 22.5317, 26.3388

Deuteranomaly

18.3390, 22.3642, 29.7357

Tritanomaly

16.8281, 23.9654, 33.8758

Monochromacy



Original Color

15.8743, 24.0563, 29.0060

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5443, 16.4204, 19.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8743, 24.0563, 29.0060 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, 151, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 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, 151, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 141) }
```

Border

The CSS property to change the border of an element to XYZ 15.8743, 24.0563, 29.0060 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, 151, 141) }
```


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

```
.border{ border-color:rgb(0, 151, 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, 151, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8743, 24.0563, 29.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 141) }
```

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

```
.background{ background-color: rgb(0, 151,  
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](#).

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