

Converting Colors

XYZ(7.6763, 20.2613, 27.2868)

Have a look what the booklet for
XYZ(7.6763, 20.2613, 27.2868)
contains.

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Color

**XYZ(15.9066, 24.5886,
27.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	009989
RGB	0, 153, 137
RGB Percent	0%, 60%, 54%
CMY	0.9999, 0.4000, 0.4627
CMYK	1.00, 0.00, 0.10, 0.40
HSL	174°, 100%, 30%
HSV	174°, 100%, 60%
XYZ	15.9066, 24.5886, 27.5746
YIQ	105.4290, -86.0520, -37.4120

Conversions

Conversions Part 2

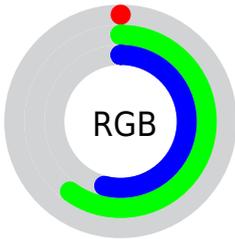
Format	Color
RYB	0, 81, 153
Decimal	39305
CIELab	56.67, -37.70, -1.24
CIELCh	57, 37.724, 181.881
Yxy	24.5886, 0.2337, 0.3612
Android (android.graphics.Color)	4278229385 (0xFF009989)
YUV	105.4290, 15.5645, -92.4612
Hunter-Lab	49.5869, -29.5174, 1.7405

Details

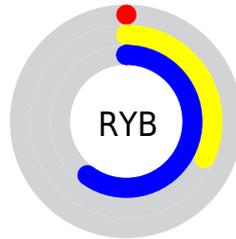
The XYZ color **15.9066, 24.5886, 27.5746** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.2312, 6.8105, 1.1083**, and the grayscale version is **13.5214, 14.2256, 15.4917**.

A 20% lighter version of the original color is **35.9700, 50.9533, 56.6544**, and **6.3740, 9.9955, 10.6102** is the 20% darker color. If you saturate the color by 10%, you get **15.9069, 24.5893, 27.5743**, and if you desaturate by 10%, it is **16.2250, 24.7399, 28.1938**.

Distribution



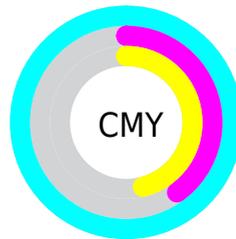
- Red (0%)
- Green (60%)
- Blue (54%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9066, 24.5886, 27.5746 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 15.9066, 24.5886, 27.5746 by changing the saturation by 10% instead.

15.9066, 24.5886,
27.5746

15.9066, 24.5886,
27.5746

222.0712,
275.7829, 304.2763

9.5485, 15.7708,
17.7690

35.9947, 50.9890,
56.8194

5.1606, 9.3621,
10.6165

50.4555, 69.3404,
77.0958

2.3775, 4.9781,
5.6987

68.3479, 91.6385,
101.6994

0.8339, 2.2344,
2.5969

90.0372, 118.2677,
131.0489

0.0000, 0.7387,
0.8909

115.8888,
149.6123, 165.5628

0.0000, 0.0000,
0.0000

146.2681,

186.0568, 205.6596

181.5405,
227.9855, 251.7580

■ 15.9066, 24.5886,
27.5746

■ 15.9066, 24.5886,
27.5746

■ 15.9069, 24.5893,
27.5743

■ 16.2250, 24.7399,
28.1938

■ 16.6939, 24.9681,
28.8285

■ 17.3824, 25.3093,
29.4824

■ 18.3182, 25.7778,
30.1569

■ 19.5248, 26.3856,
30.8531

■ 21.0229, 27.1435,
31.5720

■ 22.8312, 28.0612,
32.3145

■ 24.9669, 29.1474,
33.0815

■ 27.4459, 30.4104,
33.8738

Harmonies

Analogous

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



16.6866, 24.5886, 16.9165



15.9066, 24.5886, 27.5746



16.9090, 24.5886, 41.6836

Triad

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



15.9066, 24.5886, 27.5746



28.1201, 24.5886, 53.0040



27.5804, 24.5886, 10.6070

Complementary

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



15.9066, 24.5886, 27.5746



13.2312, 6.8105, 1.1083

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.



31.2989, 24.5886, 15.9240



15.9066, 24.5886, 27.5746



31.6369, 24.5886, 39.8635

Square

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



15.9066, 24.5886, 27.5746



23.6490, 24.5886, 58.9443



32.8664, 24.5886, 25.9867



23.0946, 24.5886, 9.1471

Rectangle

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



15.9066, 24.5886, 27.5746



18.5364, 24.5886, 50.6600



32.8664, 24.5886, 25.9867



28.9800, 24.5886, 11.8985

Sweetspot

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



15.9073, 24.5895, 27.5752



40.6739, 50.1447, 57.7879



11.6387, 22.9106, 3.8094



8.6939, 10.9265, 12.6461



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.



15.9073, 24.5895, 27.5752



28.4459, 44.0191, 49.1673



9.7850, 10.3696, 31.6238



6.3567, 7.0154, 7.8020



13.1535, 20.3249, 22.8268



0.2036, 0.3066, 0.3779

Inverse Universe

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



13.2312, 6.8105, 1.1083



23.6602, 12.1819, 1.8043



14.6842, 9.8661, 1.1310



6.2338, 6.2327, 6.6111



10.9413, 5.6307, 0.9499



0.1696, 0.0866, 0.0461

Previews

White Background



This preview shows how the XYZ color 15.9066, 24.5886, 27.5746 looks on a white background.

Color Contrast Check

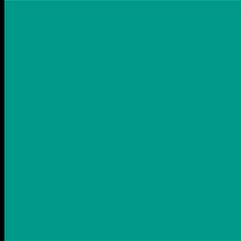
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9066, 24.5886, 27.5746 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 15.9066, 24.5886, 27.5746

Background



This preview shows how black text looks on a background with the XYZ color 15.9066, 24.5886, 27.5746.



This preview shows how white text looks on a background with the XYZ color 15.9066, 24.5886,

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

15.9066, 24.5886, 27.5746

Protanopia

23.3100, 24.4357, 23.5667

Deuteranopia

24.6758, 24.2053, 28.9627



Tritanopia

18.1057, 24.5349, 37.9638

Trichromacy



Original Color

15.9066, 24.5886, 27.5746



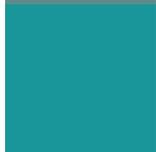
Protanomaly

17.8896, 23.1085, 24.9902



Deuteranomaly

18.3799, 22.6340, 28.2110



Tritanomaly

17.0570, 24.3193, 33.9321

Monochromacy



Original Color

15.9066, 24.5886, 27.5746



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.4852, 16.3967, 19.3365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9066, 24.5886, 27.5746 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, 153, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 137)  
}
```

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, 153, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 137) }
```

Border

The CSS property to change the border of an element to XYZ 15.9066, 24.5886, 27.5746 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, 153, 137) }
```

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

```
.border{ border-color:rgb(0, 153, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9066, 24.5886, 27.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 137) }
```

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

```
.background{ background-color: rgb(0, 153,  
137) }
```

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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