

Converting Colors

XYZ(5.8075, 21.1364, 27.0040)

Have a look what the booklet for
XYZ(5.8075, 21.1364, 27.0040)
contains.

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Color

**XYZ(17.0147, 26.9192,
27.5917)**

Conversions

Conversions Part 1

Format	Color
Hex	00A088
RGB	0, 160, 136
RGB Percent	0%, 63%, 53%
CMY	0.9999, 0.3725, 0.4667
CMYK	1.00, 0.00, 0.15, 0.37
HSL	171°, 100%, 31%
HSV	171°, 100%, 63%
XYZ	17.0147, 26.9192, 27.5917
YIQ	109.4240, -87.6560, -41.3840

Conversions

Conversions Part 2

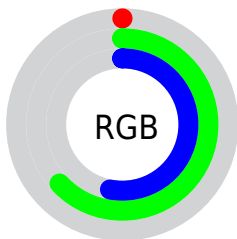
Format	Color
RYB	0, 86, 160
Decimal	41096
CIELab	58.90, -41.05, 2.58
CIELCh	59, 41.129, 176.410
Yxy	26.9192, 0.2379, 0.3764
Android (android.graphics.Color)	4278231176 (0xFF00A088)
YUV	109.4240, 13.1020, -95.9648
Hunter-Lab	51.8837, -32.2594, 4.7882

Details

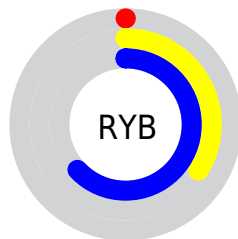
The XYZ color **17.0147, 26.9192, 27.5917** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.6629, 7.5402, 1.5476**, and the grayscale version is **14.6396, 15.4020, 16.7728**.

A 20% lighter version of the original color is **37.9576, 54.9595, 56.7518**, and **6.9374, 11.1873, 10.5978** is the 20% darker color. If you saturate the color by 10%, you get **17.0151, 26.9201, 27.5916**, and if you desaturate by 10%, it is **17.4018, 27.0994, 28.5110**.

Distribution



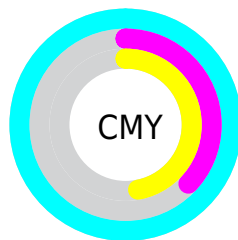
- Red (0%)
- Green (63%)
- Blue (53%)



- Red (0%)
- Yellow (34%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0147, 26.9192, 27.5917 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 17.0147, 26.9192, 27.5917 by changing the saturation by 10% instead.

■ 17.0147, 26.9192,
27.5917

■ 17.0147, 26.9192,
27.5917

228.4117,
287.2657, 304.3610

■ 10.3403, 17.5125,
17.7817

■ 37.8944, 54.7542,
56.8471

■ 5.6892, 10.6006,
10.6256

■ 52.8305, 73.9513,
77.1297

■ 2.6959, 5.7990,
5.7047

■ 71.2513, 97.1807,
101.7402

■ 0.9951, 2.7232,
2.6005

■ 93.5220, 124.8268,
131.0972

■ 0.0000, 0.9890,
0.8927

■ 120.0080,
157.2739, 165.6193

■ 0.0000, 0.0000,
0.0000

■ 151.0747,

194.9065, 205.7249

187.0875,
238.1090, 251.8326

■ 17.0147, 26.9192,
27.5917

■ 17.0147, 26.9192,
27.5917

■ 17.0151, 26.9201,
27.5916

■ 17.4018, 27.0994,
28.5110

■ 17.9604, 27.3670,
29.4579

■ 18.7642, 27.7606,
30.4364

■ 19.8440, 28.2960,
31.4481

■ 21.2263, 28.9869,
32.4945

■ 22.9343, 29.8452,
33.5767

■ 24.9889, 30.8817,
34.6958

■ 27.4093, 32.1064,
35.8528

■ 30.2133, 33.5283,
37.0487

Harmonies

Analogous

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



18.2739, 26.9192, 16.3864



17.0147, 26.9192, 27.5917



17.7891, 26.9192, 43.6151

Triad

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



17.0147, 26.9192, 27.5917



30.1865, 26.9192, 62.2281



31.3861, 26.9192, 11.6234

Complementary

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



17.0147, 26.9192, 27.5917



14.6629, 7.5402, 1.5476

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.



35.3813, 26.9192, 18.5351



17.0147, 26.9192, 27.5917



34.6268, 26.9192, 47.6946

Square

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



17.0147, 26.9192, 27.5917



24.9785, 26.9192, 67.0868



36.6389, 26.9192, 31.0991



26.2030, 26.9192, 9.3031

Rectangle

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



17.0147, 26.9192, 27.5917



19.4185, 26.9192, 54.6336



36.6389, 26.9192, 31.0991



32.9378, 26.9192, 13.3457

Sweetspot

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



17.0155, 26.9202, 27.5923



45.1340, 55.9506, 62.8741



13.0149, 25.3712, 4.2116



9.5621, 12.1009, 13.6120



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.



17.0155, 26.9202, 27.5923



30.8339, 48.8536, 49.7826



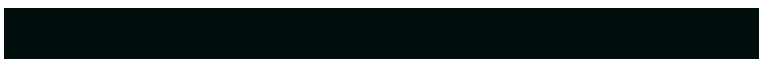
11.5692, 12.9856, 35.1556



6.7790, 7.4924, 8.2711



13.2668, 20.9747, 21.5600



0.2478, 0.3793, 0.4411

Inverse Universe

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



14.6629, 7.5402, 1.5476



26.5750, 13.6708, 2.5600



15.7866, 10.0515, 1.1085



6.6716, 6.6616, 7.1218



11.4324, 5.8775, 1.2621



0.2145, 0.1091, 0.0757

Previews

White Background



This preview shows how the XYZ color 17.0147, 26.9192, 27.5917 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 17.0147, 26.9192, 27.5917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

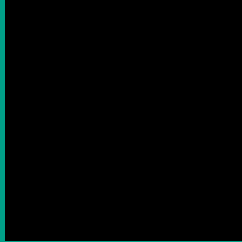
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.0147, 26.9192, 27.5917

Background



This preview shows how black text looks on a background with the XYZ color 17.0147, 26.9192, 27.5917.

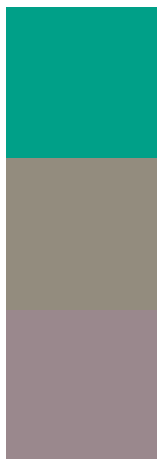


This preview shows how white text looks on a background with the XYZ color 17.0147, 26.9192,

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

17.0147, 26.9192, 27.5917

Protanopia

25.1766, 26.4656, 23.5201

Deuteranopia

26.9383, 26.4014, 28.8755



Tritanopia

19.8714, 26.8277, 41.1767

Trichromacy



Original Color

17.0147, 26.9192, 27.5917



Protanomaly

19.0791, 24.8588, 24.9118



Deuteranomaly

19.8226, 24.7115, 28.1511



Tritanomaly

18.5644, 26.7755, 35.6422

Monochromacy



Original Color

17.0147, 26.9192, 27.5917



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.5032, 18.0355, 20.2223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0147, 26.9192, 27.5917 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, 160, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 136)  
}
```

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, 160, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 136) }
```

Border

The CSS property to change the border of an element to XYZ 17.0147, 26.9192, 27.5917 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, 160, 136) }
```


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

```
.border{ border-color:rgb(0, 160, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 160, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0147, 26.9192, 27.5917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 136) }
```

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

```
.background{ background-color: rgb(0, 160,  
136) }
```

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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