

Converting Colors

XYZ(12.1929, 23.9562, 31.0370)

Have a look what the booklet for
XYZ(12.1929, 23.9562, 31.0370)
contains.

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Color

**XYZ(17.4152, 26.5290,
31.3969)**

Conversions

Conversions Part 1

Format	Color
Hex	009E92
RGB	0, 158, 146
RGB Percent	0%, 62%, 57%
CMY	0.9999, 0.3804, 0.4274
CMYK	1.00, 0.00, 0.08, 0.38
HSL	175°, 100%, 31%
HSV	175°, 100%, 62%
XYZ	17.4152, 26.5290, 31.3969
YIQ	109.3900, -90.3160, -37.2280

Conversions

Conversions Part 2

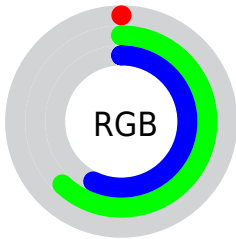
Format	Color
RYB	0, 82, 158
Decimal	40594
CIELab	58.54, -37.29, -3.62
CIELCh	59, 37.462, 185.547
Yxy	26.5290, 0.2312, 0.3521
Android (android.graphics.Color)	4278230674 (0xFF009E92)
YUV	109.3900, 18.0487, -95.9350
Hunter-Lab	51.5063, -29.7820, -0.0872

Details

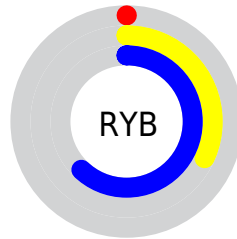
The XYZ color **17.4152, 26.5290, 31.3969** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.1678, 7.2965, 1.0104**, and the grayscale version is **14.6179, 15.3791, 16.7479**.

A 20% lighter version of the original color is **38.5340, 53.9828, 63.0323**, and **7.2654, 11.1526, 12.8361** is the 20% darker color. If you saturate the color by 10%, you get **17.4155, 26.5298, 31.3967**, and if you desaturate by 10%, it is **17.7203, 26.6760, 31.9018**.

Distribution



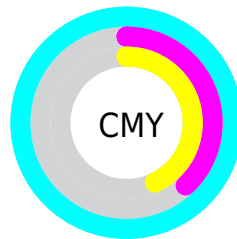
- Red (0%)
- Green (62%)
- Blue (57%)



- Red (0%)
- Yellow (32%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4152, 26.5290, 31.3969 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 17.4152, 26.5290, 31.3969 by changing the saturation by 10% instead.

■ 17.4152, 26.5290,
31.3969

■ 17.4152, 26.5290,
31.3969

230.6637,
285.3693, 322.7703

■ 10.6281, 17.2198,
20.6403

■ 38.5762, 54.1271,
62.9513

■ 5.8828, 10.3913,
12.6726

■ 53.6809, 73.1849,
84.5861

■ 2.8139, 5.6592,
7.0754

■ 72.2887, 96.2609,
110.6841

■ 1.0561, 2.6390,
3.4302

■ 94.7651, 123.7396,
141.6638

■ 0.0000, 0.9463,
1.3183

■ 121.4755,
156.0054, 177.9438

■ 0.0000, 0.0000,
0.0767

■ 152.7851,

■ 0.0000, 0.0000,

193.4427, 219.9425

0.0000

189.0594,
236.4359, 268.0785

■ 17.4152, 26.5290,
31.3969

■ 17.4152, 26.5290,
31.3969

■ 17.4155, 26.5298,
31.3967

■ 17.7203, 26.6760,
31.9018

■ 18.1886, 26.9065,
32.4189

■ 18.8924, 27.2582,
32.9521

■ 19.8616, 27.7467,
33.5029

■ 21.1218, 28.3850,
34.0726

■ 22.6953, 29.1848,
34.6621

■ 24.6025, 30.1565,
35.2724

■ 26.8620, 31.3097,
35.9044

■ 29.4910, 32.6532,
36.5589

Harmonies

Analogous

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



18.0077, 26.5290, 19.6397



17.4152, 26.5290, 31.3969



18.6976, 26.5290, 46.2016

Triad

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



17.4152, 26.5290, 31.3969



30.6986, 26.5290, 54.6999



29.0454, 26.5290, 11.4524

Complementary

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



17.4152, 26.5290, 31.3969



14.1678, 7.2965, 1.0104

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.



33.0943, 26.5290, 16.5476



17.4152, 26.5290, 31.3969



34.1269, 26.5290, 40.6551

Square

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



17.4152, 26.5290, 31.3969



26.0773, 26.5290, 62.0298



35.0527, 26.5290, 26.5119



24.3720, 26.5290, 10.3320

Rectangle

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



17.4152, 26.5290, 31.3969



20.5469, 26.5290, 55.1245



35.0527, 26.5290, 26.5119



30.5415, 26.5290, 12.6611

Sweetspot

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



17.4160, 26.5300, 31.3975



44.4501, 54.6468, 63.9846



12.3962, 24.5416, 4.0844



9.6975, 12.1551, 14.3252



76.7382, 80.7346, 87.9200



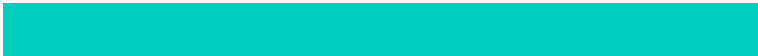
13.3056, 13.9985, 15.2444

Same Dimension

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



17.4160, 26.5300, 31.3975



31.5924, 48.1633, 56.8402



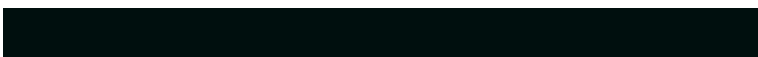
10.0148, 10.1543, 33.7809



6.8001, 7.5008, 8.3819



13.9540, 21.2495, 25.1787



0.2553, 0.3823, 0.4807

Inverse Universe

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



14.1678, 7.2965, 1.0104



25.6978, 13.2372, 1.6788



16.0406, 11.1483, 1.3072



6.6525, 6.6539, 7.0212



11.3526, 5.8456, 0.8420



0.2083, 0.1066, 0.0430

Previews

White Background



This preview shows how the XYZ color 17.4152, 26.5290, 31.3969 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 17.4152, 26.5290, 31.3969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

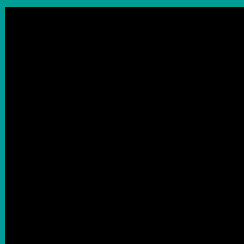
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

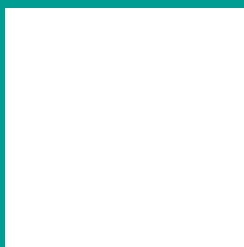
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4152, 26.5290, 31.3969

Background



This preview shows how black text looks on a background with the XYZ color 17.4152, 26.5290, 31.3969.

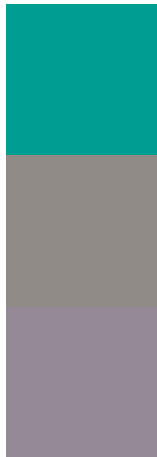


This preview shows how white text looks on a background with the XYZ color 17.4152, 26.5290,

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

17.4152, 26.5290, 31.3969

Protanopia

25.1074, 26.1438, 26.6446

Deuteranopia

26.7845, 26.2322, 32.9298



Tritanopia

19.4957, 26.6448, 40.6746

Trichromacy



Original Color

17.4152, 26.5290, 31.3969

Protanomaly

19.3527, 24.6972, 28.1731

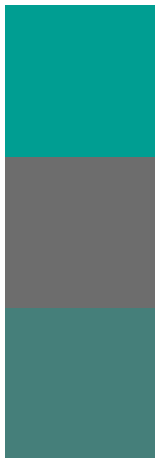
Deuteranomaly

20.1174, 24.5493, 32.1120

Tritanomaly

18.5232, 26.4743, 36.9347

Monochromacy



Original Color

17.4152, 26.5290, 31.3969

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5565, 17.8491, 21.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4152, 26.5290, 31.3969 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 146) }
```

Border

The CSS property to change the border of an element to XYZ 17.4152, 26.5290, 31.3969 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, 146) }
```


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

```
.border{ border-color:rgb(0, 158, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4152, 26.5290, 31.3969 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, 146) }
```

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

```
.background{ background-color: rgb(0, 158,  
146) }
```

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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