

Converting Colors

XYZ(17.9589, 24.9418, 39.8240)

Have a look what the booklet for
XYZ(17.9589, 24.9418, 39.8240)
contains.

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Color

**XYZ(17.9495, 24.8864,
39.9339)**

Conversions

Conversions Part 1

Format	Color
Hex	0097A6
RGB	0, 151, 166
RGB Percent	0%, 59%, 65%
CMY	0.9999, 0.4078, 0.3490
CMYK	1.00, 0.09, 0.00, 0.35
HSL	185°, 100%, 33%
HSV	185°, 100%, 65%
XYZ	17.9495, 24.8864, 39.9339
YIQ	107.5610, -94.8110, -27.3470

Conversions

Conversions Part 2

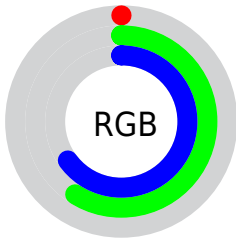
Format	Color
RYB	0, 79, 166
Decimal	38822
CIELab	56.96, -27.64, -17.36
CIELCh	57, 32.639, 212.132
Yxy	24.8864, 0.2169, 0.3007
Android (android.graphics.Color)	4278228902 (0xFF0097A6)
YUV	107.5610, 28.8104, -94.3310
Hunter-Lab	49.8863, -23.0752, -12.5412

Details

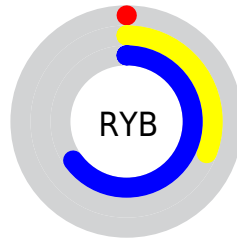
The XYZ color **17.9495, 24.8864, 39.9339** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8974, 8.4494, 0.7937**, and the grayscale version is **14.0745, 14.8075, 16.1254**.

A 20% lighter version of the original color is **39.5361, 51.6384, 76.2900**, and **7.5944, 10.3292, 17.5131** is the 20% darker color. If you saturate the color by 10%, you get **17.9496, 24.8864, 39.9344**, and if you desaturate by 10%, it is **18.4175, 25.4888, 40.0260**.

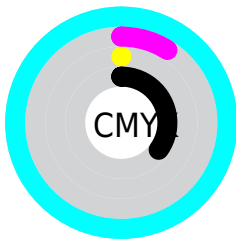
Distribution



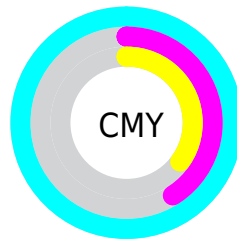
- Red (0%)
- Green (59%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9495, 24.8864, 39.9339 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 17.9495, 24.8864, 39.9339 by changing the saturation by 10% instead.

■ 17.9495, 24.8864,
39.9339

■ 17.9495, 24.8864,
39.9339

■ 233.6373,
277.2717, 361.3887

■ 11.0132, 15.9924,
27.1736

■ 39.4820, 51.4729,
76.2988

■ 6.1431, 9.5188,
17.4701

■ 54.8089, 69.9342,
100.7406

■ 2.9738, 5.0811,
10.4047

■ 73.6635, 92.3534,
129.9132

■ 1.1399, 2.2949,
5.5590

■ 96.4109, 119.1149,
164.2353

■ 0.0581, 0.7710,
2.5144

■ 123.4167,
150.6031, 204.1253

■ 0.0000, 0.0000,
0.8478

■ 155.0461,

■ 0.0000, 0.0000,

187.2023, 250.0019

0.0000

191.6645,
229.2971, 302.2835

■ 17.9495, 24.8864,
39.9339

■ 17.9495, 24.8864,
39.9339

■ 17.9496, 24.8864,
39.9344

■ 18.4175, 25.4888,
40.0260

■ 19.0734, 26.1923,
40.1272

■ 19.9949, 27.0372,
40.2417

■ 21.2159, 28.0411,
40.3711

■ 22.7653, 29.2189,
40.5168

■ 24.6684, 30.5838,
40.6800

■ 26.9483, 32.1475,
40.8616

■ 29.6260, 33.9210,
41.0628

■ 32.7208, 35.9142,
41.2844

Harmonies

Analogous

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



17.0314, 24.8864, 27.8893



17.9495, 24.8864, 39.9339



20.3757, 24.8864, 50.3453

Triad

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



17.9495, 24.8864, 39.9339



30.7796, 24.8864, 38.1996



23.3809, 24.8864, 11.0130

Complementary

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



17.9495, 24.8864, 39.9339



15.8974, 8.4494, 0.7937

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.



27.2658, 24.8864, 12.4016



17.9495, 24.8864, 39.9339



31.8026, 24.8864, 26.3199

Square

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



17.9495, 24.8864, 39.9339



27.7908, 24.8864, 49.1687



30.4542, 24.8864, 17.3562



19.9491, 24.8864, 12.8735

Rectangle

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



17.9495, 24.8864, 39.9339



22.6599, 24.8864, 53.8188



30.4542, 24.8864, 17.3562



24.6763, 24.8864, 11.1142

Sweetspot

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



17.9503, 24.8873, 39.9345



48.6523, 58.1716, 74.1393



13.7150, 27.3043, 4.9577



10.4965, 12.7520, 16.5603



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.9503, 24.8873, 39.9345



32.4952, 45.0034, 72.4491



9.0226, 7.0319, 36.9586



7.6887, 8.4144, 9.6372



13.9366, 19.3334, 30.9727



0.3553, 0.5028, 0.7590

Inverse Universe

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



21.3124, 10.3421, 30.1520



38.6378, 18.7521, 54.5044



19.9865, 16.6277, 2.1568



7.8122, 7.6548, 9.3285



16.5351, 8.0228, 23.4274



0.4105, 0.1985, 0.6131

Previews

White Background



This preview shows how the XYZ color 17.9495, 24.8864, 39.9339 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 17.9495, 24.8864, 39.9339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

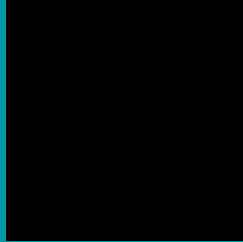
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9495, 24.8864, 39.9339

Background



This preview shows how black text looks on a background with the XYZ color 17.9495, 24.8864, 39.9339.

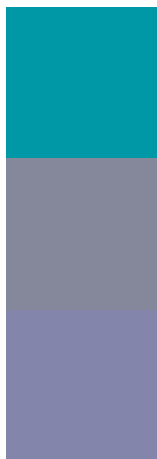


This preview shows how white text looks on a background with the XYZ color 17.9495, 24.8864,

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

17.9495, 24.8864, 39.9339

Protanopia

24.2532, 24.6810, 34.4960

Deuteranopia

25.1589, 24.5829, 41.4492



Tritanopia

17.7674, 24.8136, 38.9750

Trichromacy



Original Color

17.9495, 24.8864, 39.9339

Protanomaly

19.5292, 23.4843, 36.3045

Deuteranomaly

20.1957, 23.5056, 41.0087

Tritanomaly

17.8581, 24.8498, 39.4526

Monochromacy



Original Color

17.9495, 24.8864, 39.9339

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.6243, 17.2655, 23.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9495, 24.8864, 39.9339 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 166) }
```

Border

The CSS property to change the border of an element to XYZ 17.9495, 24.8864, 39.9339 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, 166) }
```


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

```
.border{ border-color:rgb(0, 151, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9495, 24.8864, 39.9339 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, 166) }
```

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

```
.background{ background-color: rgb(0, 151,  
166) }
```

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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