

Converting Colors

XYZ(7.5296, 20.2973, 42.5495)

Have a look what the booklet for
XYZ(7.5296, 20.2973, 42.5495)
contains.

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Color

**XYZ(19.0020, 26.0898,
43.0640)**

Conversions

Conversions Part 1

Format	Color
Hex	009AAC
RGB	0, 154, 172
RGB Percent	0%, 60%, 67%
CMY	0.9999, 0.3961, 0.3255
CMYK	1.00, 0.10, 0.00, 0.33
HSL	186°, 100%, 34%
HSV	186°, 100%, 67%
XYZ	19.0020, 26.0898, 43.0640
YIQ	110.0060, -97.5620, -27.0500

Conversions

Conversions Part 2

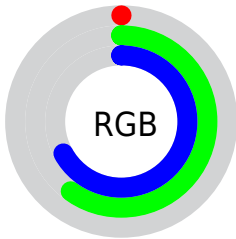
Format	Color
R _{YB}	0, 81, 172
Decimal	39596
CIE _{Lab}	58.12, -27.13, -19.01
CIE _{LCh}	58, 33.126, 215.021
Yxy	26.0898, 0.2156, 0.2960
Android (android.graphics.Color)	4278229676 (0xFF009AAC)
YUV	110.0060, 30.5630, -96.4753
Hunter-Lab	51.0782, -22.9816, -14.2327

Details

The XYZ color **19.0020, 26.0898, 43.0640** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.2304, 9.2044, 0.8694**, and the grayscale version is **14.7608, 15.5295, 16.9117**.

A 20% lighter version of the original color is **41.2817, 53.5267, 80.8290**, and **8.1415, 10.8588, 19.4362** is the 20% darker color. If you saturate the color by 10%, you get **19.0019, 26.0895, 43.0644**, and if you desaturate by 10%, it is **19.5371, 26.8106, 43.1754**.

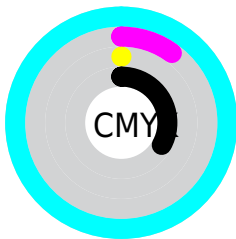
Distribution



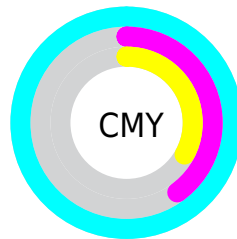
- Red (0%)
- Green (60%)
- Blue (67%)



- Red (0%)
- Yellow (32%)
- Blue (67%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0020, 26.0898, 43.0640 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 19.0020, 26.0898, 43.0640 by changing the saturation by 10% instead.

■ 19.0020, 26.0898,
43.0640

■ 19.0020, 26.0898,
43.0640

239.3977,
283.2226, 374.8038

■ 11.7757, 16.8908,
29.6036

■ 41.2543, 53.4198,
81.0948

■ 6.6623, 10.1567,
19.2884

■ 57.0111, 72.3196,
106.5023

■ 3.2962, 5.5030,
11.6999

■ 76.3421, 95.2218,
136.7292

■ 1.3123, 2.5453,
6.4196

■ 99.6126, 122.5108,
172.1940

■ 0.1924, 0.8992,
3.0290

■ 127.1881,
154.5710, 213.3154

■ 0.0000, 0.0000,
1.1095

■ 159.4339,

■ 0.0000, 0.0000,

191.7867, 260.5118

0.0000

196.7153,
234.5425, 314.2017

■ 19.0020, 26.0898,
43.0640

■ 19.0020, 26.0898,
43.0640

■ 19.0019, 26.0895,
43.0644

■ 19.5371, 26.8106,
43.1754

■ 20.2796, 27.6444,
43.2972

■ 21.3113, 28.6339,
43.4339

■ 22.6691, 29.7984,
43.5871

■ 24.3849, 31.1540,
43.7583

■ 26.4862, 32.7152,
43.9489

■ 28.9984, 34.4950,
44.1600

■ 31.9441, 36.5050,
44.3927

■ 35.3447, 38.7565,
44.6481

Harmonies

Analogous

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



17.8801, 26.0898, 30.3851



19.0020, 26.0898, 43.0640



21.6809, 26.0898, 53.5051

Triad

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



19.0020, 26.0898, 43.0640



32.4672, 26.0898, 38.7940



24.1286, 26.0898, 11.5948

Complementary

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



19.0020, 26.0898, 43.0640



17.2304, 9.2044, 0.8694

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.



28.1995, 26.0898, 12.7196



19.0020, 26.0898, 43.0640



33.3023, 26.0898, 26.5174

Square

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



19.0020, 26.0898, 43.0640



29.4927, 26.0898, 50.6100



31.6659, 26.0898, 17.5224



20.6292, 26.0898, 13.8852

Rectangle

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



19.0020, 26.0898, 43.0640



24.1342, 26.0898, 56.5866



31.6659, 26.0898, 17.5224



25.4730, 26.0898, 11.5940

Sweetspot

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



19.0028, 26.0907, 43.0646



52.3334, 62.3882, 80.0896



14.8560, 29.5468, 5.4598



10.9536, 13.2640, 17.3706



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.0028, 26.0907, 43.0646



34.3755, 47.1367, 78.0923



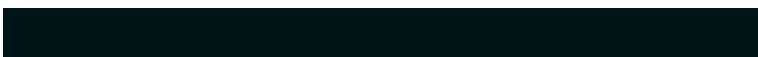
9.5639, 7.2128, 39.9183



8.1637, 8.9267, 10.2454



14.1640, 19.4619, 32.0545



0.4141, 0.5815, 0.8984

Inverse Universe

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



22.8467, 11.1046, 31.5121



41.3971, 20.1243, 56.9078



21.8851, 18.5137, 2.4209



8.3004, 8.1334, 9.8928



17.0130, 8.2677, 23.5116



0.4834, 0.2340, 0.7074

Previews

White Background



This preview shows how the XYZ color 19.0020, 26.0898, 43.0640 looks on a white background.

Color Contrast Check

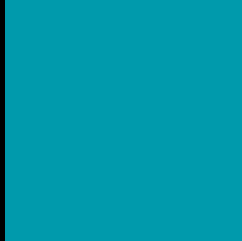
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0020, 26.0898, 43.0640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

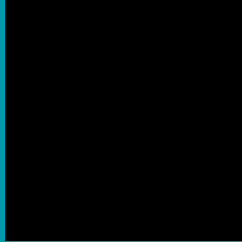
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0020, 26.0898, 43.0640

Background



This preview shows how black text looks on a background with the XYZ color 19.0020, 26.0898, 43.0640.

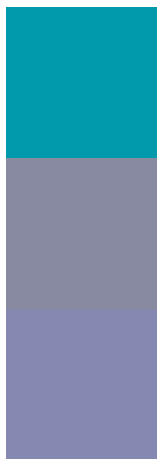


This preview shows how white text looks on a background with the XYZ color 19.0020, 26.0898,

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

19.0020, 26.0898, 43.0640

Protanopia

25.5132, 25.9011, 37.3729

Deuteranopia

26.3135, 25.7295, 44.6537



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

19.0020, 26.0898, 43.0640

Protanomaly

20.6025, 24.6416, 39.2677

Deuteranomaly

21.3066, 24.6714, 44.1965

Tritanomaly

18.8828, 26.3073, 41.6187

Monochromacy



Original Color

19.0020, 26.0898, 43.0640

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2203, 17.9173, 24.8992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0020, 26.0898, 43.0640 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, 154, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 172)  
}
```

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, 154, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 172) }
```

Border

The CSS property to change the border of an element to XYZ 19.0020, 26.0898, 43.0640 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, 154, 172) }
```


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

```
.border{ border-color:rgb(0, 154, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0020, 26.0898, 43.0640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 172) }
```

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

```
.background{ background-color: rgb(0, 154,  
172) }
```

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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