

Converting Colors

XYZ(12.2023, 23.3470, 40.4602)

Have a look what the booklet for
XYZ(12.2023, 23.3470, 40.4602)
contains.

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Color

**XYZ(19.0320, 26.9040,
40.7491)**

Conversions

Conversions Part 1

Format	Color
Hex	009DA7
RGB	0, 157, 167
RGB Percent	0%, 62%, 65%
CMY	0.9999, 0.3843, 0.3451
CMYK	1.00, 0.06, 0.00, 0.35
HSL	184°, 100%, 33%
HSV	184°, 100%, 65%
XYZ	19.0320, 26.9040, 40.7491
YIQ	111.1970, -96.7820, -30.1740

Conversions

Conversions Part 2

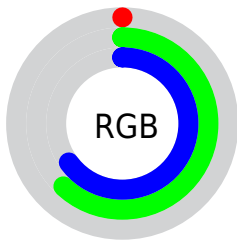
Format	Color
RYB	0, 81, 167
Decimal	40359
CIELab	58.89, -30.26, -15.02
CIELCh	59, 33.784, 206.388
Yxy	26.9040, 0.2196, 0.3104
Android (android.graphics.Color)	4278230439 (0xFF009DA7)
YUV	111.1970, 27.5109, -97.5198
Hunter-Lab	51.8691, -25.2749, -10.2707

Details

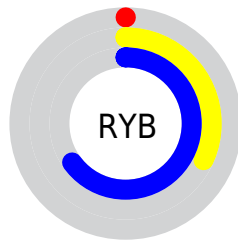
The XYZ color **19.0320, 26.9040, 40.7491** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.0455, 8.4333, 0.7828**, and the grayscale version is **15.1119, 15.8989, 17.3139**.

A 20% lighter version of the original color is **41.2425, 54.6880, 77.4894**, and **8.1461, 11.3410, 17.9793** is the 20% darker color. If you saturate the color by 10%, you get **19.0323, 26.9043, 40.7497**, and if you desaturate by 10%, it is **19.4287, 27.3613, 40.8170**.

Distribution



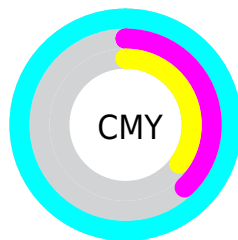
- Red (0%)
- Green (62%)
- Blue (65%)



- Red (0%)
- Yellow (32%)
- Blue (65%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0320, 26.9040, 40.7491 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 19.0320, 26.9040, 40.7491 by changing the saturation by 10% instead.

■ 19.0320, 26.9040,
40.7491

■ 19.0320, 26.9040,
40.7491

■ 239.5601,
287.1920, 364.9164

■ 11.7975, 17.5011,
27.8049

■ 41.3046, 54.7298,
77.5524

■ 6.6772, 10.5924,
17.9409

■ 57.0735, 73.9215,
102.2485

■ 3.3056, 5.7935,
10.7385

■ 76.4179, 97.1449,
131.6991

■ 1.3173, 2.7199,
5.7793

■ 99.7032, 124.7845,
166.3225

■ 0.1961, 0.9873,
2.6448

■ 127.2947,
157.2246, 206.5375

■ 0.0000, 0.0000,
0.9154

■ 159.5577,

■ 0.0000, 0.0000,

194.8496, 252.7624

0.0000

196.8578,
238.0440, 305.4159

■ 19.0320, 26.9040,
40.7491

■ 19.0320, 26.9040,
40.7491

■ 19.0323, 26.9043,
40.7497

■ 19.4287, 27.3613,
40.8170

■ 20.0146, 27.9176,
40.8935

■ 20.8680, 28.6138,
40.9829

■ 22.0233, 29.4678,
41.0868

■ 23.5098, 30.4946,
41.2067

■ 25.3533, 31.7076,
41.3436

■ 27.5772, 33.1187,
41.4988

■ 30.2028, 34.7389,
41.6731

■ 33.2496, 36.5784,
41.8676

Harmonies

Analogous

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



18.3659, 26.9040, 27.8691



19.0320, 26.9040, 40.7491



21.3792, 26.9040, 52.9214

Triad

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



19.0320, 26.9040, 40.7491



32.8582, 26.9040, 43.9562



26.0806, 26.9040, 11.8155

Complementary

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



19.0320, 26.9040, 40.7491



16.0455, 8.4333, 0.7828

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.



30.2787, 26.9040, 14.0131



19.0320, 26.9040, 40.7491



34.4511, 26.9040, 30.7664

Square

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



19.0320, 26.9040, 40.7491



29.3087, 26.9040, 55.0992



33.4597, 26.9040, 20.2159



22.1662, 26.9040, 13.1456

Rectangle

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



19.0320, 26.9040, 40.7491



23.7280, 26.9040, 57.8094



33.4597, 26.9040, 20.2159



27.5080, 26.9040, 12.1462

Sweetspot

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



19.0328, 26.9050, 40.7498



49.1475, 59.1619, 74.3043



13.8651, 27.6563, 4.8479



10.6215, 13.0020, 16.6020



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.



19.0328, 26.9050, 40.7498



34.0303, 48.0736, 72.9608



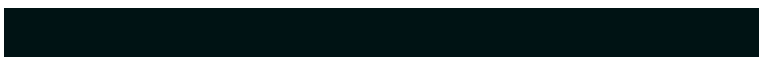
9.5027, 7.8447, 37.5730



7.7085, 8.4540, 9.6438



14.5763, 20.6128, 31.1859



0.3658, 0.5238, 0.7625

Inverse Universe

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



22.0228, 10.6506, 32.7944



39.4126, 19.0621, 58.5848



19.7519, 15.8461, 2.0183



7.8222, 7.6587, 9.3810



16.8581, 8.1519, 25.1278



0.4158, 0.2006, 0.6409

Previews

White Background



This preview shows how the XYZ color 19.0320, 26.9040, 40.7491 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 19.0320, 26.9040, 40.7491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

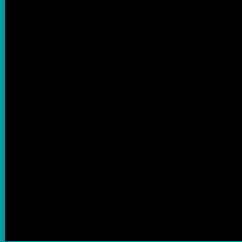
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.0320, 26.9040, 40.7491

Background



This preview shows how black text looks on a background with the XYZ color 19.0320, 26.9040, 40.7491.

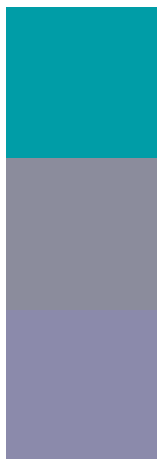


This preview shows how white text looks on a background with the XYZ color 19.0320, 26.9040,

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

19.0320, 26.9040, 40.7491

Protanopia

26.0263, 26.6454, 35.2238

Deuteranopia

27.0866, 26.6062, 42.2360



Tritanopia

19.3995, 27.0719, 41.7391

Trichromacy



Original Color

19.0320, 26.9040, 40.7491

Protanomaly

20.6485, 25.1705, 37.0278

Deuteranomaly

21.4056, 25.2278, 41.7715

Tritanomaly

19.2375, 26.9992, 41.2432

Monochromacy



Original Color

19.0320, 26.9040, 40.7491

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.4144, 18.4166, 24.2678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0320, 26.9040, 40.7491 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, 157, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 167)  
}
```

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, 157, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.0320, 26.9040, 40.7491 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, 157, 167) }
```


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

```
.border{ border-color:rgb(0, 157, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0320, 26.9040, 40.7491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 167) }
```

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

```
.background{ background-color: rgb(0, 157,  
167) }
```

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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