

Converting Colors

XYZ(18.5315, 26.0870, 40.0148)

Have a look what the booklet for
XYZ(18.5315, 26.0870, 40.0148)
contains.

XYZ(18.6043, 26.1959, 40.1522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.6043, 26.1959,
40.1522)**

Conversions

Conversions Part 1

Format	Color
Hex	009BA6
RGB	0, 155, 166
RGB Percent	0%, 61%, 65%
CMY	0.9999, 0.3921, 0.3490
CMYK	1.00, 0.07, 0.00, 0.35
HSL	184°, 100%, 33%
HSV	184°, 100%, 65%
XYZ	18.6043, 26.1959, 40.1522
YIQ	109.9090, -95.9110, -29.4390

Conversions

Conversions Part 2

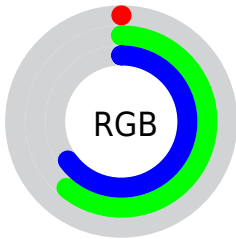
Format	Color
RYB	0, 80, 166
Decimal	39846
CIELab	58.22, -29.61, -15.45
CIELCh	58, 33.403, 207.553
Yxy	26.1959, 0.2190, 0.3084
Android (android.graphics.Color)	4278229926 (0xFF009BA6)
YUV	109.9090, 27.6529, -96.3902
Hunter-Lab	51.1819, -24.6848, -10.6856

Details

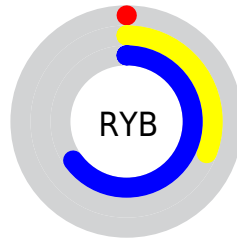
The XYZ color **18.6043, 26.1959, 40.1522** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.8463, 8.3472, 0.7768**, and the grayscale version is **14.7407, 15.5083, 16.8886**.

A 20% lighter version of the original color is **40.6119, 53.6408, 76.6198**, and **7.8875, 10.9154, 17.6108** is the 20% darker color. If you saturate the color by 10%, you get **18.6044, 26.1960, 40.1527**, and if you desaturate by 10%, it is **19.0133, 26.6803, 40.2246**.

Distribution



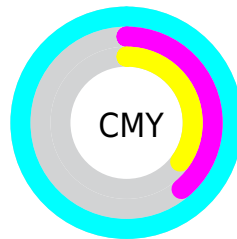
- Red (0%)
- Green (61%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6043, 26.1959, 40.1522 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 18.6043, 26.1959, 40.1522 by changing the saturation by 10% instead.

■ 18.6043, 26.1959,
40.1522

■ 18.6043, 26.1959,
40.1522

237.2357,
283.7424, 362.3358

■ 11.4870, 16.9703,
27.3425

■ 40.5864, 53.5908,
76.6348

■ 6.4651, 10.2133,
17.5959

■ 56.1820, 72.5289,
101.1449

■ 3.1732, 5.5406,
10.4939

■ 75.3344, 95.4732,
130.3922

■ 1.2460, 2.5678,
5.6177

■ 98.4089, 122.8081,
164.7952

■ 0.1422, 0.9105,
2.5491

■ 125.7710,
154.9182, 204.7726

■ 0.0000, 0.0000,
0.8660

■ 157.7859,

■ 0.0000, 0.0000,

192.1876, 250.7428

0.0000

194.8190,
235.0009, 303.1243

■ 18.6043, 26.1959,
40.1522

■ 18.6043, 26.1959,
40.1522

■ 18.6044, 26.1960,
40.1527

■ 19.0133, 26.6803,
40.2246

■ 19.6088, 27.2628,
40.3057

■ 20.4685, 27.9840,
40.3996

■ 21.6263, 28.8614,
40.5079

■ 23.1110, 29.9098,
40.6320

■ 24.9481, 31.1424,
40.7731

■ 27.1605, 32.5709,
40.9322

■ 29.7692, 34.2063,
41.1104

■ 32.7936, 36.0585,
41.3085

Harmonies

Analogous

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



17.8911, 26.1959, 27.5798



18.6043, 26.1959, 40.1522



20.9441, 26.1959, 51.8283

Triad

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



18.6043, 26.1959, 40.1522



32.0768, 26.1959, 42.2630



25.2329, 26.1959, 11.5213

Complementary

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



18.6043, 26.1959, 40.1522



15.8463, 8.3472, 0.7768

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.



29.3215, 26.1959, 13.5213



18.6043, 26.1959, 40.1522



33.5313, 26.1959, 29.4873

Square

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



18.6043, 26.1959, 40.1522



28.6830, 26.1959, 53.2615



32.4726, 26.1959, 19.3885



21.4623, 26.1959, 12.9497

Rectangle

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



18.6043, 26.1959, 40.1522



23.2550, 26.1959, 56.3651



32.4726, 26.1959, 19.3885



26.6175, 26.1959, 11.7993

Sweetspot

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



18.6051, 26.1969, 40.1528



49.0432, 58.9533, 74.2696



13.6824, 27.2913, 4.7857



10.5952, 12.9493, 16.5932



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.



18.6051, 26.1969, 40.1528



33.7031, 47.4193, 72.8518



9.3803, 7.7471, 37.0779



7.7044, 8.4457, 9.6425



14.4400, 20.3403, 31.1405



0.3635, 0.5193, 0.7617

Inverse Universe

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



21.6430, 10.4744, 31.8924



39.2475, 18.9960, 57.7152



19.4942, 15.6431, 1.9928



7.8201, 7.6579, 9.3700



16.7893, 8.1244, 24.7656



0.4147, 0.2001, 0.6350

Previews

White Background



This preview shows how the XYZ color 18.6043, 26.1959, 40.1522 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 18.6043, 26.1959, 40.1522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

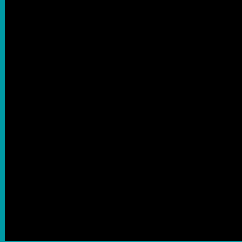
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6043, 26.1959, 40.1522

Background



This preview shows how black text looks on a background with the XYZ color 18.6043, 26.1959, 40.1522.

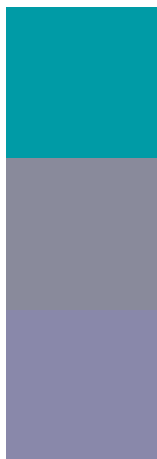


This preview shows how white text looks on a background with the XYZ color 18.6043, 26.1959,

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

18.6043, 26.1959, 40.1522

Protanopia

25.3214, 25.8619, 34.6676

Deuteranopia

26.3764, 25.8290, 41.6255



Tritanopia

18.8344, 26.3039, 40.6437

Trichromacy



Original Color

18.6043, 26.1959, 40.1522



Protanomaly

20.1617, 24.4760, 36.4626



Deuteranomaly

20.9144, 24.5357, 41.1697



Tritanomaly

18.7840, 26.2779, 40.6413

Monochromacy



Original Color

18.6043, 26.1959, 40.1522



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

14.0159, 17.8355, 23.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6043, 26.1959, 40.1522 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, 155, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.6043, 26.1959, 40.1522 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, 155, 166) }
```


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

```
.border{ border-color:rgb(0, 155, 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, 155, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6043, 26.1959, 40.1522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 166) }
```

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

```
.background{ background-color: rgb(0, 155,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor