

Converting Colors

XYZ(18.7955, 26.6150, 40.1029)

Have a look what the booklet for
XYZ(18.7955, 26.6150, 40.1029)
contains.

XYZ(18.7714, 26.5301, 40.2079)	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(18.7714, 26.5301,
40.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	009CA6
RGB	0, 156, 166
RGB Percent	0%, 61%, 65%
CMY	0.9999, 0.3882, 0.3490
CMYK	1.00, 0.06, 0.00, 0.35
HSL	184°, 100%, 33%
HSV	184°, 100%, 65%
XYZ	18.7714, 26.5301, 40.2079
YIQ	110.4960, -96.1860, -29.9620

Conversions

Conversions Part 2

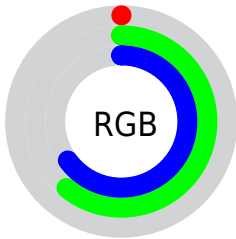
Format	Color
R _Y B	0, 80, 166
Decimal	40102
CIE Lab	58.54, -30.10, -14.98
CIE LCh	59, 33.622, 206.449
Yxy	26.5301, 0.2195, 0.3103
Android (android.graphics.Color)	4278230182 (0xFF009CA6)
YUV	110.4960, 27.3635, -96.9050
Hunter-Lab	51.5074, -25.0852, -10.2280

Details

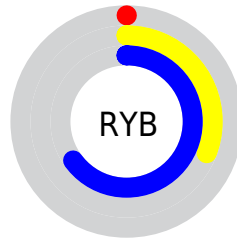
The XYZ color **18.7714, 26.5301, 40.2079** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.8351, 8.3249, 0.7731**, and the grayscale version is **14.9099, 15.6864, 17.0824**.

A 20% lighter version of the original color is **40.8596, 54.1361, 76.7024**, and **7.9876, 11.1155, 17.6441** is the 20% darker color. If you saturate the color by 10%, you get **18.7716, 26.5303, 40.2084**, and if you desaturate by 10%, it is **19.1650, 26.9837, 40.2752**.

Distribution



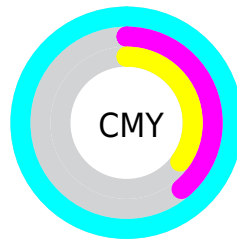
- Red (0%)
- Green (61%)
- Blue (65%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7714, 26.5301, 40.2079 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 18.7714, 26.5301, 40.2079 by changing the saturation by 10% instead.

■ 18.7714, 26.5301,
40.2079

■ 18.7714, 26.5301,
40.2079

■ 238.1462,
285.3747, 362.5772

■ 11.6082, 17.2206,
27.3857

■ 40.8673, 54.1289,
76.7205

■ 6.5478, 10.3919,
17.6281

■ 56.5308, 73.1870,
101.2480

■ 3.2247, 5.6596,
10.5166

■ 75.7584, 96.2635,
130.5143

■ 1.2737, 2.6392,
5.6328

■ 98.9156, 123.7427,
164.9380

■ 0.1634, 0.9464,
2.5579

■ 126.3676,
156.0090, 204.9376

■ 0.0000, 0.0000,
0.8706

■ 158.4798,

■ 0.0000, 0.0000,

193.4468, 250.9316

0.0000

195.6175,
236.4406, 303.3386

■ 18.7714, 26.5301,
40.2079

■ 18.7714, 26.5301,
40.2079

■ 18.7716, 26.5303,
40.2084

■ 19.1650, 26.9837,
40.2752

■ 19.7448, 27.5349,
40.3510

■ 20.5886, 28.2241,
40.4396

■ 21.7301, 29.0689,
40.5425

■ 23.1982, 30.0842,
40.6611

■ 25.0184, 31.2830,
40.7966

■ 27.2137, 32.6773,
40.9500

■ 29.8050, 34.2778,
41.1223

■ 32.8117, 36.0945,
41.3145

Harmonies

Analogous

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



18.1111, 26.5301, 27.5052



18.7714, 26.5301, 40.2079



21.0889, 26.5301, 52.2017

Triad

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



18.7714, 26.5301, 40.2079



32.4060, 26.5301, 43.3167



25.7095, 26.5301, 11.6522

Complementary

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



18.7714, 26.5301, 40.2079



15.8351, 8.3249, 0.7731

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.



29.8494, 26.5301, 13.8118



18.7714, 26.5301, 40.2079



33.9716, 26.5301, 30.3138

Square

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



18.7714, 26.5301, 40.2079



28.9091, 26.5301, 54.3128



32.9890, 26.5301, 19.9192



21.8517, 26.5301, 12.9709

Rectangle

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



18.7714, 26.5301, 40.2079



23.4062, 26.5301, 57.0100



32.9890, 26.5301, 19.9192



27.1168, 26.5301, 11.9760

Sweetspot

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



18.7722, 26.5311, 40.2085



49.1415, 59.1500, 74.3023



13.6824, 27.2913, 4.7857



10.6200, 12.9990, 16.6015



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.



18.7722, 26.5311, 40.2085



34.0116, 48.0362, 72.9546



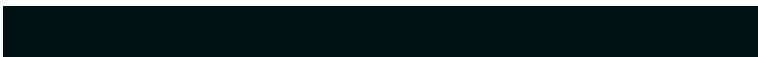
9.3803, 7.7472, 37.0779



7.7083, 8.4535, 9.6438



14.5685, 20.5972, 31.1833



0.3656, 0.5235, 0.7624

Inverse Universe

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



21.7274, 10.5081, 32.3366



39.4032, 19.0583, 58.5351



19.4942, 15.6431, 1.9928



7.8221, 7.6587, 9.3804



16.8541, 8.1504, 25.1071



0.4157, 0.2006, 0.6406

Previews

White Background



This preview shows how the XYZ color 18.7714, 26.5301, 40.2079 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 18.7714, 26.5301, 40.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

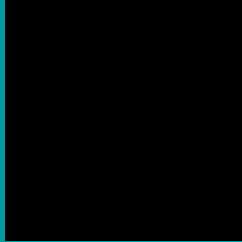
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7714, 26.5301, 40.2079

Background



This preview shows how black text looks on a background with the XYZ color 18.7714, 26.5301, 40.2079.

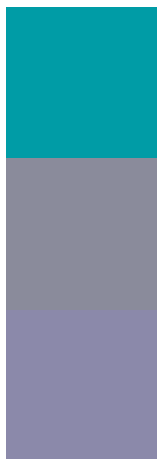


This preview shows how white text looks on a background with the XYZ color 18.7714, 26.5301,

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

18.7714, 26.5301, 40.2079

Protanopia

25.6302, 26.2351, 34.7234

Deuteranopia

26.8488, 26.2826, 41.6882



Tritanopia

19.1375, 26.6974, 41.1903

Trichromacy



Original Color

18.7714, 26.5301, 40.2079

Protanomaly

20.4079, 24.8287, 36.5177

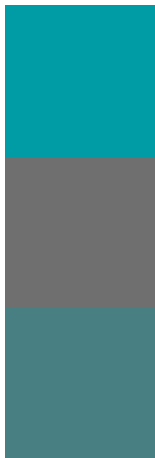
Deuteranomaly

21.1592, 24.8858, 41.2243

Tritanomaly

18.9762, 26.6250, 40.6982

Monochromacy



Original Color

18.7714, 26.5301, 40.2079

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2846, 18.1570, 24.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7714, 26.5301, 40.2079 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, 156, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 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, 156, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.7714, 26.5301, 40.2079 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, 156, 166) }
```


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

```
.border{ border-color:rgb(0, 156, 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, 156, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7714, 26.5301, 40.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 166) }
```

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

```
.background{ background-color: rgb(0, 156,  
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