

Converting Colors

XYZ(9.6048, 21.5882, 37.1954)

Have a look what the booklet for
XYZ(9.6048, 21.5882, 37.1954)
contains.

XYZ(18.1544, 26.0159, 37.7829)	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(18.1544, 26.0159,
37.7829)**

Conversions

Conversions Part 1

Format	Color
Hex	009BA1
RGB	0, 155, 161
RGB Percent	0%, 61%, 63%
CMY	0.9999, 0.3921, 0.3686
CMYK	1.00, 0.04, 0.00, 0.37
HSL	182°, 100%, 32%
HSV	182°, 100%, 63%
XYZ	18.1544, 26.0159, 37.7829
YIQ	109.3390, -94.3060, -30.9940

Conversions

Conversions Part 2

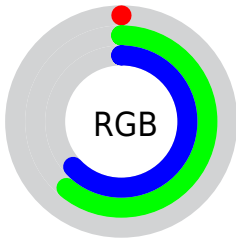
Format	Color
RYB	0, 79, 161
Decimal	39841
CIELab	58.05, -31.24, -12.87
CIELCh	58, 33.786, 202.385
Yxy	26.0159, 0.2215, 0.3174
Android (android.graphics.Color)	4278229921 (0xFF009BA1)
YUV	109.3390, 25.4689, -95.8903
Hunter-Lab	51.0058, -25.7269, -8.2154

Details

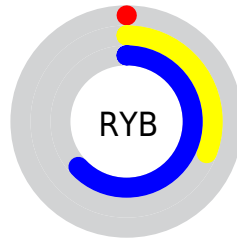
The XYZ color **18.1544, 26.0159, 37.7829** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7638, 7.7081, 0.7106**, and the grayscale version is **14.5841, 15.3436, 16.7092**.

A 20% lighter version of the original color is **39.8549, 53.3264, 73.1582**, and **7.6647, 10.8263, 16.4376** is the 20% darker color. If you saturate the color by 10%, you get **18.1546, 26.0163, 37.7834**, and if you desaturate by 10%, it is **18.4709, 26.3282, 37.8270**.

Distribution



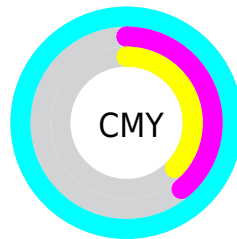
- Red (0%)
- Green (61%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1544, 26.0159, 37.7829 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 18.1544, 26.0159, 37.7829 by changing the saturation by 10% instead.

■ 18.1544, 26.0159,
37.7829

■ 18.1544, 26.0159,
37.7829

234.7687,
282.8601, 351.9580

■ 11.1613, 16.8355,
25.5137

■ 39.8283, 53.3006,
72.9750

■ 6.2435, 10.1173,
16.2377

■ 55.2397, 72.1737,
96.7350

■ 3.0358, 5.4768,
9.5363

■ 74.1879, 95.0465,
125.1623

■ 1.1727, 2.5296,
4.9911

■ 97.0383, 122.3035,
158.6755

■ 0.0847, 0.8914,
2.1834

■ 124.1563,
154.3289, 197.6931

■ 0.0000, 0.0000,
0.6648

■ 155.9070,

■ 0.0000, 0.0000,

191.5072, 242.6337

0.0000

192.6561,
234.2228, 293.9158

■ 18.1544, 26.0159,
37.7829

■ 18.1544, 26.0159,
37.7829

■ 18.1546, 26.0163,
37.7834

■ 18.4709, 26.3282,
37.8270

■ 18.9584, 26.7289,
37.8786

■ 19.6913, 27.2568,
37.9419

■ 20.7008, 27.9280,
38.0183

■ 22.0137, 28.7564,
38.1090

■ 23.6536, 29.7541,
38.2151

■ 25.6417, 30.9321,
38.3377

■ 27.9974, 32.3003,
38.4776

■ 30.7389, 33.8681,
38.6357

Harmonies

Analogous

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



17.7325, 26.0159, 25.4503



18.1544, 26.0159, 37.7829



20.2378, 26.0159, 50.1348

Triad

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



18.1544, 26.0159, 37.7829



31.4833, 26.0159, 44.3884



25.7825, 26.0159, 11.3727

Complementary

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



18.1544, 26.0159, 37.7829



14.7638, 7.7081, 0.7106

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.



29.8361, 26.0159, 13.9867



18.1544, 26.0159, 37.7829



33.3552, 26.0159, 31.4125

Square

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



18.1544, 26.0159, 37.7829



27.8398, 26.0159, 54.6225



32.7214, 26.0159, 20.5970



21.8560, 26.0159, 12.2065

Rectangle

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



18.1544, 26.0159, 37.7829



22.4265, 26.0159, 55.6203



32.7214, 26.0159, 20.5970



27.1804, 26.0159, 11.8449

Sweetspot

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



18.1552, 26.0169, 37.7835



45.6962, 55.2639, 68.6451



12.7750, 25.5021, 4.4041



9.7004, 11.9307, 15.0352



76.7382, 80.7346, 87.9200



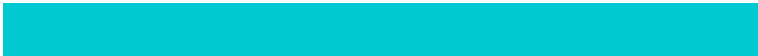
13.3056, 13.9985, 15.2444

Same Dimension

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



18.1552, 26.0169, 37.7835



32.4794, 46.5252, 67.6550



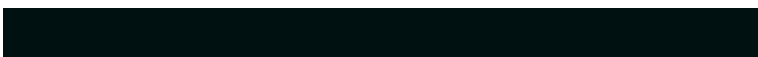
8.9598, 7.6260, 34.7184



7.2534, 7.9658, 9.0583



14.5062, 20.7918, 30.1784



0.3113, 0.4498, 0.6363

Inverse Universe

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



20.6151, 9.9445, 31.8442



36.9016, 17.8014, 56.9393



18.0167, 14.2140, 1.7949



7.3529, 7.1976, 8.8446



16.4675, 7.9431, 25.4504



0.3493, 0.1682, 0.5520

Previews

White Background



This preview shows how the XYZ color 18.1544, 26.0159, 37.7829 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 18.1544, 26.0159, 37.7829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

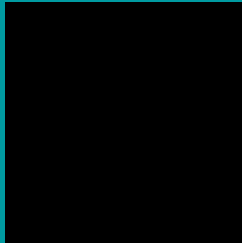
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1544, 26.0159, 37.7829

Background



This preview shows how black text looks on a background with the XYZ color 18.1544, 26.0159, 37.7829.

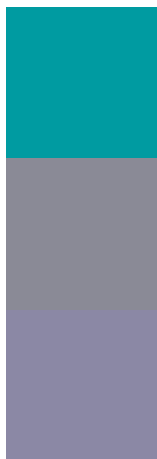


This preview shows how white text looks on a background with the XYZ color 18.1544, 26.0159,

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

18.1544, 26.0159, 37.7829

Protanopia

25.0747, 25.7822, 32.5091

Deuteranopia

26.2432, 25.8139, 39.1967



Tritanopia

18.8399, 26.0607, 40.5965

Trichromacy



Original Color

18.1544, 26.0159, 37.7829

Protanomaly

19.8305, 24.3543, 34.2275

Deuteranomaly

20.5478, 24.4000, 38.7486

Tritanomaly

18.5131, 25.9134, 39.6233

Monochromacy



Original Color

18.1544, 26.0159, 37.7829

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8114, 17.7454, 23.1193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1544, 26.0159, 37.7829 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.1544, 26.0159, 37.7829 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, 161) }
```


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

```
.border{ border-color:rgb(0, 155, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1544, 26.0159, 37.7829 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, 161) }
```

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

```
.background{ background-color: rgb(0, 155,  
161) }
```

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