

Converting Colors

XYZ(18.5622, 26.8809, 37.7668)

Have a look what the booklet for
XYZ(18.5622, 26.8809, 37.7668)
contains.

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Color

**XYZ(18.6599, 27.0269,
37.9515)**

Conversions

Conversions Part 1

Format	Color
Hex	009EA1
RGB	0, 158, 161
RGB Percent	0%, 62%, 63%
CMY	0.9999, 0.3804, 0.3686
CMYK	1.00, 0.02, 0.00, 0.37
HSL	181°, 100%, 32%
HSV	181°, 100%, 63%
XYZ	18.6599, 27.0269, 37.9515
YIQ	111.1000, -95.1310, -32.5630

Conversions

Conversions Part 2

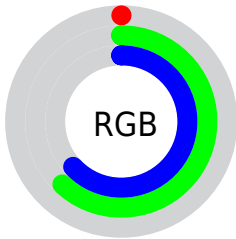
Format	Color
RYB	0, 80, 161
Decimal	40609
CIELab	59.00, -32.67, -11.44
CIELCh	59, 34.619, 199.300
Yxy	27.0269, 0.2231, 0.3231
Android (android.graphics.Color)	4278230689 (0xFF009EA1)
YUV	111.1000, 24.6007, -97.4347
Hunter-Lab	51.9874, -26.9087, -6.8913

Details

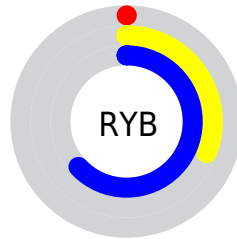
The XYZ color **18.6599, 27.0269, 37.9515** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.7312, 7.6430, 0.6997**, and the grayscale version is **15.0919, 15.8779, 17.2910**.

A 20% lighter version of the original color is **40.7031, 54.8735, 73.4121**, and **7.9685, 11.4339, 16.5388** is the 20% darker color. If you saturate the color by 10%, you get **18.6603, 27.0275, 37.9521**, and if you desaturate by 10%, it is **18.9275, 27.2415, 37.9793**.

Distribution



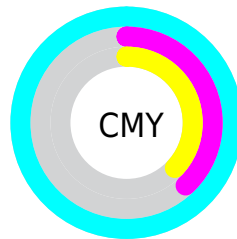
- Red (0%)
- Green (62%)
- Blue (63%)



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



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6599, 27.0269, 37.9515 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 18.6599, 27.0269, 37.9515 by changing the saturation by 10% instead.

18.6599, 27.0269,
37.9515

18.6599, 27.0269,
37.9515

237.5390,
287.7873, 352.7038

11.5273, 17.5934,
25.6435

40.6799, 54.9270,
73.2364

6.4926, 10.6585,
16.3338

56.2981, 74.1625,
97.0504

3.1903, 5.8377,
9.6037

75.4756, 97.4340,
125.5368

1.2552, 2.7466,
5.0349

98.5776, 125.1261,
159.1141

0.1493, 1.0009,
2.2086

125.9697,
157.6231, 198.2010

0.0000, 0.0000,
0.6793

158.0170,

0.0000, 0.0000,

195.3093, 243.2158

0.0000

195.0850,
238.5693, 294.5773

■ 18.6599, 27.0269,
37.9515

■ 18.6599, 27.0269,
37.9515

■ 18.6603, 27.0275,
37.9521

■ 18.9275, 27.2415,
37.9793

■ 19.3658, 27.5437,
38.0145

■ 20.0490, 27.9723,
38.0613

■ 21.0085, 28.5435,
38.1210

■ 22.2710, 29.2712,
38.1949

■ 23.8601, 30.1674,
38.2841

■ 25.7970, 31.2431,
38.3896

■ 28.1013, 32.5083,
38.5124

■ 30.7908, 33.9723,
38.6532

Harmonies

Analogous

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



18.4022, 27.0269, 25.2540



18.6599, 27.0269, 37.9515



20.6737, 27.0269, 51.2301

Triad

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



18.6599, 27.0269, 37.9515



32.4669, 27.0269, 47.6878



27.2512, 27.0269, 11.7769

Complementary

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



18.6599, 27.0269, 37.9515



14.7312, 7.6430, 0.6997

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.



31.4545, 27.0269, 14.8996



18.6599, 27.0269, 37.9515



34.6810, 27.0269, 34.0376

Square

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



18.6599, 27.0269, 37.9515



28.5137, 27.0269, 57.8465



34.2911, 27.0269, 22.2865



23.0559, 27.0269, 12.2822

Rectangle

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



18.6599, 27.0269, 37.9515



22.8801, 27.0269, 57.5373



34.2911, 27.0269, 22.2865



28.7172, 27.0269, 12.3928

Sweetspot

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



18.6607, 27.0279, 37.9522



45.9801, 55.8316, 68.7397



12.7603, 25.4963, 4.3266



9.7705, 12.0711, 15.0586



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.



18.6607, 27.0279, 37.9522



33.4012, 48.3688, 67.9622



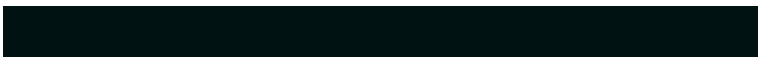
9.1460, 7.9985, 34.7806



7.2648, 7.9885, 9.0621



14.9067, 21.5927, 30.3119



0.3165, 0.4603, 0.6380

Inverse Universe

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



20.8702, 10.0465, 33.1879



37.3669, 17.9876, 59.3895



17.8068, 13.7942, 1.7249



7.3586, 7.1999, 8.8748



16.6697, 8.0239, 26.5148



0.3519, 0.1693, 0.5659

Previews

White Background



This preview shows how the XYZ color 18.6599, 27.0269, 37.9515 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 18.6599, 27.0269, 37.9515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

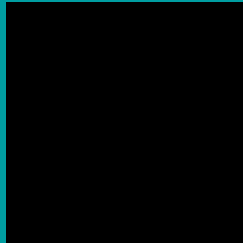
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

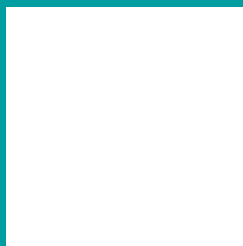
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6599, 27.0269, 37.9515

Background



This preview shows how black text looks on a background with the XYZ color 18.6599, 27.0269, 37.9515.

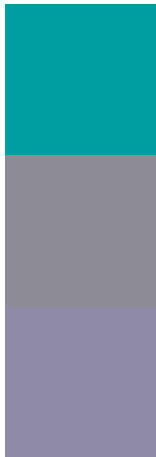


This preview shows how white text looks on a background with the XYZ color 18.6599, 27.0269,

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

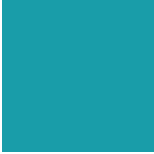
18.6599, 27.0269, 37.9515

Protanopia

25.8676, 26.6209, 32.6291

Deuteranopia

27.2077, 26.7332, 39.3233



Tritanopia

19.6193, 27.1852, 41.7493

Trichromacy



Original Color

18.6599, 27.0269, 37.9515

Protanomaly

20.4829, 25.3742, 34.3900

Deuteranomaly

21.1406, 25.1553, 38.8632

Tritanomaly

19.1536, 26.9773, 40.2740

Monochromacy



Original Color

18.6599, 27.0269, 37.9515

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2802, 18.3629, 23.5606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6599, 27.0269, 37.9515 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, 158, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.6599, 27.0269, 37.9515 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, 158, 161) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6599, 27.0269, 37.9515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 161) }
```

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

```
.background{ background-color: rgb(0, 158,  
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](#).

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