

Converting Colors

XYZ(18.9294, 27.1616, 39.9437)

Have a look what the booklet for
XYZ(18.9294, 27.1616, 39.9437)
contains.

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Color

**XYZ(19.0184, 27.1703,
39.8393)**

Conversions

Conversions Part 1

Format	Color
Hex	009EA5
RGB	0, 158, 165
RGB Percent	0%, 62%, 65%
CMY	0.9999, 0.3804, 0.3529
CMYK	1.00, 0.04, 0.00, 0.35
HSL	183°, 100%, 32%
HSV	183°, 100%, 65%
XYZ	19.0184, 27.1703, 39.8393
YIQ	111.5560, -96.4150, -31.3190

Conversions

Conversions Part 2

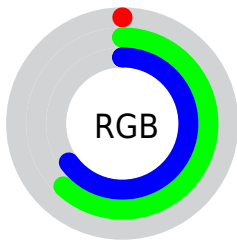
Format	Color
RYB	0, 81, 165
Decimal	40613
CIELab	59.13, -31.40, -13.51
CIElCh	59, 34.179, 203.284
Yxy	27.1703, 0.2211, 0.3158
Android (android.graphics.Color)	4278230693 (0xFF009EA5)
YUV	111.5560, 26.3479, -97.8346
Hunter-Lab	52.1251, -26.0914, -8.8278

Details

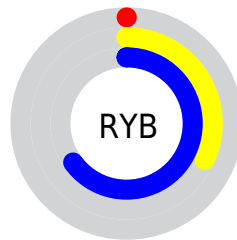
The XYZ color **19.0184, 27.1703, 39.8393** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.5937, 8.1521, 0.7526**, and the grayscale version is **15.2199, 16.0126, 17.4377**.

A 20% lighter version of the original color is **41.2267, 55.0830, 76.1693**, and **8.1347, 11.5003, 17.4138** is the 20% darker color. If you saturate the color by 10%, you get **19.0186, 27.1706, 39.8399**, and if you desaturate by 10%, it is **19.3615, 27.5255, 39.8903**.

Distribution



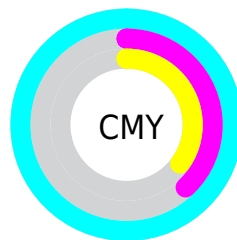
- Red (0%)
- Green (62%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0184, 27.1703, 39.8393 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 19.0184, 27.1703, 39.8393 by changing the saturation by 10% instead.


 19.0184, 27.1703,
39.8393


 19.0184, 27.1703,
39.8393


239.4865,
288.4807, 360.9777


 11.7877, 17.7012,
27.1004


 41.2818, 55.1570,
76.1532


 6.6704, 10.7357,
17.4156


 57.0452, 74.4434,
100.5652


 3.3013, 5.8894,
10.3661


 76.3835, 97.7710,
129.7054

 1.3151, 2.7779,
5.5336

 99.6621, 125.5242,
163.9924

 0.1944, 1.0169,
2.4995

 127.2464,
158.0873, 203.8445

 0.0000, 0.0000,
0.8399

 159.5016,

 0.0000, 0.0000,

195.8449, 249.6804

0.0000

196.7932,
239.1812, 301.9186

■ 19.0184, 27.1703,
39.8393

■ 19.0184, 27.1703,
39.8393

■ 19.0186, 27.1706,
39.8399

■ 19.3615, 27.5255,
39.8903

■ 19.8873, 27.9753,
39.9494

■ 20.6726, 28.5600,
40.0209

■ 21.7509, 29.2967,
40.1062

■ 23.1506, 30.2001,
40.2068

■ 24.8968, 31.2831,
40.3238

■ 27.0119, 32.5574,
40.4583

■ 29.5169, 34.0336,
40.6112

■ 32.4306, 35.7216,
40.7835

Harmonies

Analogous

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



18.5254, 27.1703, 26.9287



19.0184, 27.1703, 39.8393



21.2381, 27.1703, 52.6055

Triad

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



19.0184, 27.1703, 39.8393



32.9492, 27.1703, 45.9086



26.7927, 27.1703, 11.8891

Complementary

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



19.0184, 27.1703, 39.8393



15.5937, 8.1521, 0.7526

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.



31.0280, 27.1703, 14.5027



19.0184, 27.1703, 39.8393



34.8260, 27.1703, 32.4080

Square

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



19.0184, 27.1703, 39.8393



29.1934, 27.1703, 56.7286



34.0870, 27.1703, 21.2592



22.7254, 27.1703, 12.8657

Rectangle

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



19.0184, 27.1703, 39.8393



23.5433, 27.1703, 58.1566



34.0870, 27.1703, 21.2592



28.2486, 27.1703, 12.3462

Sweetspot

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



19.0192, 27.1713, 39.8400



48.1419, 58.1679, 72.4425



13.4860, 26.9230, 4.6447



10.1801, 12.5102, 15.8157



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.0192, 27.1713, 39.8400



34.0214, 48.5817, 71.3364



9.4471, 8.0271, 36.6493



7.2502, 7.9595, 9.0573



14.3971, 20.5736, 30.1421



0.3098, 0.4470, 0.6358

Inverse Universe

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



21.6893, 10.4688, 33.2262



38.8230, 18.7395, 59.3997



19.0084, 14.9815, 1.8908



7.3513, 7.1970, 8.8363



16.4124, 7.9210, 25.1603



0.3486, 0.1679, 0.5482

Previews

White Background



This preview shows how the XYZ color 19.0184, 27.1703, 39.8393 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 19.0184, 27.1703, 39.8393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

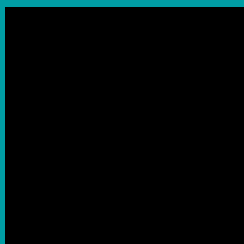
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

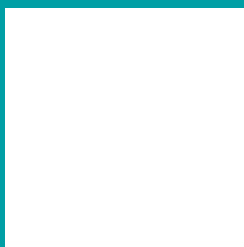
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0184, 27.1703, 39.8393

Background



This preview shows how black text looks on a background with the XYZ color 19.0184, 27.1703, 39.8393.

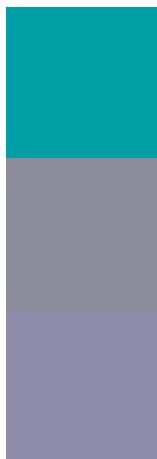


This preview shows how white text looks on a background with the XYZ color 19.0184, 27.1703,

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

19.0184, 27.1703, 39.8393

Protanopia

26.1728, 26.9583, 34.3959

Deuteranopia

27.4052, 26.7923, 41.2631



Tritanopia

19.6012, 27.1649, 42.2405

Trichromacy



Original Color

19.0184, 27.1703, 39.8393

Protanomaly

20.7251, 25.4599, 36.1697

Deuteranomaly

21.4097, 25.2516, 40.7914

Tritanomaly

19.2908, 27.0267, 41.2457

Monochromacy



Original Color

19.0184, 27.1703, 39.8393

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.5455, 18.6788, 24.3115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0184, 27.1703, 39.8393 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.0184, 27.1703, 39.8393 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, 165) }
```


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

```
.border{ border-color:rgb(0, 158, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0184, 27.1703, 39.8393 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, 165) }
```

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

```
.background{ background-color: rgb(0, 158,  
165) }
```

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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