

Converting Colors

XYZ(19.0813, 27.9190, 37.9398)

Have a look what the booklet for
XYZ(19.0813, 27.9190, 37.9398)
contains.

XYZ(19.1779, 28.0629, 38.1241)	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(19.1779, 28.0629,
38.1241)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1A1
RGB	0, 161, 161
RGB Percent	0%, 63%, 63%
CMY	0.9999, 0.3686, 0.3686
CMYK	1.00, 0.00, 0.00, 0.37
HSL	180°, 100%, 32%
HSV	180°, 100%, 63%
XYZ	19.1779, 28.0629, 38.1241
YIQ	112.8610, -95.9560, -34.1320

Conversions

Conversions Part 2

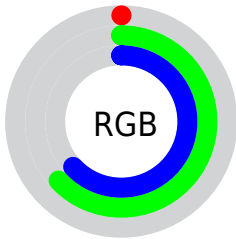
Format	Color
RYB	0, 81, 161
Decimal	41377
CIELab	59.95, -34.09, -10.02
CIELCh	60, 35.531, 196.386
Yxy	28.0629, 0.2247, 0.3287
Android (android.graphics.Color)	4278231457 (0xFF00A1A1)
YUV	112.8610, 23.7325, -98.9791
Hunter-Lab	52.9744, -28.0843, -5.5871

Details

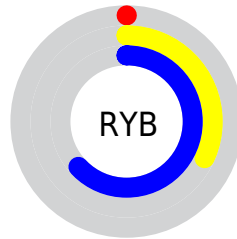
The XYZ color **19.1779, 28.0629, 38.1241** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.6989, 7.5780, 0.6889**, and the grayscale version is **15.6101, 16.4231, 17.8847**.

A 20% lighter version of the original color is **41.4647, 56.3968, 73.6660**, and **8.2831, 12.0631, 16.6437** is the 20% darker color. If you saturate the color by 10%, you get **19.1784, 28.0637, 38.1248**, and if you desaturate by 10%, it is **19.3943, 28.1751, 38.1349**.

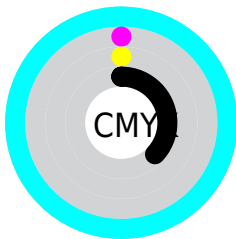
Distribution



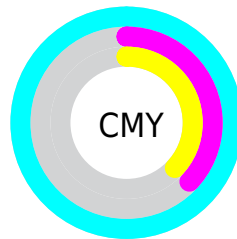
- Red (0%)
- Green (63%)
- Blue (63%)



- Red (0%)
- Yellow (32%)
- Blue (63%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1779, 28.0629, 38.1241 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 19.1779, 28.0629, 38.1241 by changing the saturation by 10% instead.


 19.1779, 28.0629,
38.1241

 19.1779, 28.0629,
38.1241


240.3484,
292.7674, 353.4662


 11.9037, 18.3731,
25.7764


 41.5490, 56.5848,
73.5038


 6.7498, 11.2182,
16.4322


 57.3767, 76.1858,
97.3730


 3.3511, 6.2138,
9.6728


 76.7861, 99.8592,
125.9198

 1.3420, 2.9755,
5.0798

 100.1428,
127.9895, 159.5626

 0.2143, 1.1190,
2.2346

 127.8120,
160.9610, 198.7202

 0.0000, 0.0000,
0.6942

 160.1591,

 0.0000, 0.0000,

199.1583, 243.8109

0.0000

197.5494,
242.9656, 295.2534

■ 19.1779, 28.0629,
38.1241

■ 19.1779, 28.0629,
38.1241

■ 19.1784, 28.0637,
38.1248

■ 19.3943, 28.1751,
38.1349

■ 19.7813, 28.3745,
38.1531

■ 20.4130, 28.7002,
38.1827

■ 21.3209, 29.1683,
38.2252

■ 22.5318, 29.7925,
38.2819

■ 24.0691, 30.5850,
38.3539

■ 25.9541, 31.5568,
38.4422

■ 28.2063, 32.7178,
38.5477

■ 30.8437, 34.0774,
38.6711

Harmonies

Analogous

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



19.0907, 28.0629, 25.0670



19.1779, 28.0629, 38.1241



21.1192, 28.0629, 52.3349

Triad

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



19.1779, 28.0629, 38.1241



33.4684, 28.0629, 51.1259



28.7699, 28.0629, 12.1955

Complementary

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



19.1779, 28.0629, 38.1241



14.6989, 7.5780, 0.6889

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.



33.1238, 28.0629, 15.8529



19.1779, 28.0629, 38.1241



36.0362, 28.0629, 36.7923

Square

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



19.1779, 28.0629, 38.1241



29.1990, 28.0629, 61.1715



35.9034, 28.0629, 24.0618



24.2969, 28.0629, 12.3652

Rectangle

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



19.1779, 28.0629, 38.1241



23.3429, 28.0629, 59.4838



35.9034, 28.0629, 24.0618



30.3055, 28.0629, 12.9612

Sweetspot

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



19.1788, 28.0639, 38.1248



46.2659, 56.4034, 68.8347



12.7794, 25.5081, 4.2509



9.8413, 12.2126, 15.0822



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.



19.1788, 28.0639, 38.1248



34.3458, 50.2584, 68.2763



9.5421, 8.7905, 34.9130



7.2761, 8.0113, 9.0659



15.3168, 22.4131, 30.4483



0.3218, 0.4709, 0.6398

Inverse Universe

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



14.6989, 7.5780, 0.6889



26.3228, 13.5699, 1.2319



17.4111, 13.0025, 1.5930



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 19.1779, 28.0629, 38.1241 looks on a white background.

Color Contrast Check

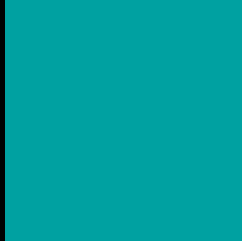
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1779, 28.0629, 38.1241 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

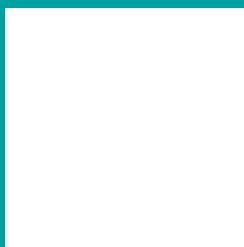
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1779, 28.0629, 38.1241

Background



This preview shows how black text looks on a background with the XYZ color 19.1779, 28.0629, 38.1241.

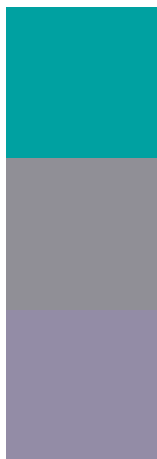


This preview shows how white text looks on a background with the XYZ color 19.1779, 28.0629,

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

19.1779, 28.0629, 38.1241

Protanopia

26.8291, 27.7762, 32.8015

Deuteranopia

28.2936, 27.7124, 39.9342



Tritanopia

20.3512, 28.0360, 43.3686

Trichromacy



Original Color

19.1779, 28.0629, 38.1241

Protanomaly

21.1527, 26.4211, 34.5568

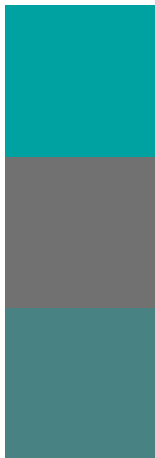
Deuteranomaly

21.9068, 26.2398, 39.0321

Tritanomaly

19.8881, 28.0974, 41.4209

Monochromacy



Original Color

19.1779, 28.0629, 38.1241

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.6844, 18.9547, 24.0038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1779, 28.0629, 38.1241 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, 161, 161)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 19.1779, 28.0629, 38.1241 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, 161, 161) }
```


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

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

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

Background

The CSS property to change the background color of an element to XYZ 19.1779, 28.0629, 38.1241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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