

Converting Colors

XYZ(19.8954, 28.6307, 41.0369)

Have a look what the booklet for
XYZ(19.8954, 28.6307, 41.0369)
contains.

XYZ(19.8954, 28.6307, 41.0369)	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(19.8954, 28.6307,
41.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2A7
RGB	0, 162, 167
RGB Percent	0%, 64%, 65%
CMY	0.9999, 0.3647, 0.3451
CMYK	1.00, 0.03, 0.00, 0.35
HSL	182°, 100%, 33%
HSV	182°, 100%, 65%
XYZ	19.8954, 28.6307, 41.0369
YIQ	114.1320, -98.1570, -32.7890

Conversions

Conversions Part 2

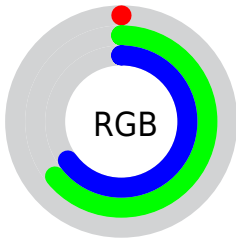
Format	Color
RYB	0, 82, 167
Decimal	41639
CIELab	60.45, -32.67, -12.65
CIELCh	60, 35.032, 201.166
Yxy	28.6307, 0.2221, 0.3197
Android (android.graphics.Color)	4278231719 (0xFF00A2A7)
YUV	114.1320, 26.0639, -100.0938
Hunter-Lab	53.5077, -27.2679, -8.0162

Details

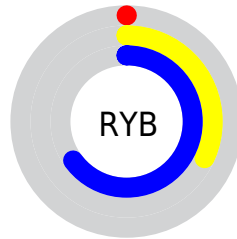
The XYZ color **19.8954, 28.6307, 41.0369** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.9913, 8.3249, 0.7649**, and the grayscale version is **15.9822, 16.8145, 18.3110**.

A 20% lighter version of the original color is **42.6138, 57.2793, 77.9173**, and **8.6704, 12.3897, 18.1541** is the 20% darker color. If you saturate the color by 10%, you get **19.8957, 28.6312, 41.0375**, and if you desaturate by 10%, it is **20.2105, 28.9248, 41.0776**.

Distribution



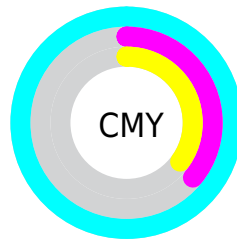
- Red (0%)
- Green (64%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8954, 28.6307, 41.0369 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 19.8954, 28.6307, 41.0369 by changing the saturation by 10% instead.

■ 19.8954, 28.6307,
41.0369

■ 19.8954, 28.6307,
41.0369

■ 244.1927,
295.4685, 366.1560

■ 12.4269, 18.8016,
28.0280

■ 42.7470, 57.4898,
77.9942

■ 7.1093, 11.5270,
18.1075

■ 58.8608, 77.2887,
102.7797

■ 3.5775, 6.4225,
10.8570

■ 78.5871, 101.1795,
132.3277

■ 1.4660, 3.1036,
5.8578

■ 102.2911,
129.5469, 167.0569

■ 0.3025, 1.1861,
2.6914

■ 130.3384,
162.7750, 207.3858

■ 0.0000, 0.0503,
0.9391

■ 163.0941,

■ 0.0000, 0.0000,

201.2484, 253.7329

0.0000

200.9238,
245.3515, 306.5168

■ 19.8954, 28.6307,
41.0369

■ 19.8954, 28.6307,
41.0369

■ 19.8957, 28.6312,
41.0375

■ 20.2105, 28.9248,
41.0776

■ 20.7138, 29.3157,
41.1265

■ 21.4836, 29.8446,
41.1880

■ 22.5542, 30.5291,
41.2637

■ 23.9550, 31.3843,
41.3550

■ 25.7118, 32.4236,
41.4630

■ 27.8479, 33.6590,
41.5888

■ 30.3846, 35.1013,
41.7336

■ 33.3416, 36.7609,
41.8980

Harmonies

Analogous

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



19.5064, 28.6307, 27.5107



19.8954, 28.6307, 41.0369



22.1254, 28.6307, 54.8194

Triad

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



19.8954, 28.6307, 41.0369



34.5481, 28.6307, 49.5009



28.5673, 28.6307, 12.4993

Complementary

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



19.8954, 28.6307, 41.0369



15.9913, 8.3249, 0.7649

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.



33.0254, 28.6307, 15.5447



19.8954, 28.6307, 41.0369



36.7205, 28.6307, 35.1488

Square

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



19.8954, 28.6307, 41.0369



30.4680, 28.6307, 60.5704



36.1344, 28.6307, 23.0333



24.1978, 28.6307, 13.2659

Rectangle

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



19.8954, 28.6307, 41.0369



24.5060, 28.6307, 61.1107



36.1344, 28.6307, 23.0333



30.1115, 28.6307, 13.0711

Sweetspot

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



19.8963, 28.6318, 41.0376



49.6397, 60.1464, 74.4684



13.8347, 27.6442, 4.6875



10.7460, 13.2510, 16.6435



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.



19.8963, 28.6318, 41.0376



35.6030, 51.2189, 73.4850



9.8982, 8.6355, 37.7049



7.7280, 8.4929, 9.6503



15.2309, 21.9220, 31.4041



0.3763, 0.5449, 0.7660

Inverse Universe

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



22.4587, 10.8250, 35.0892



40.2064, 19.3796, 62.7649



19.2884, 14.9190, 1.8639



7.8321, 7.6627, 9.4328



17.1884, 8.2841, 26.8676



0.4211, 0.2027, 0.6690

Previews

White Background



This preview shows how the XYZ color 19.8954, 28.6307, 41.0369 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 19.8954, 28.6307, 41.0369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

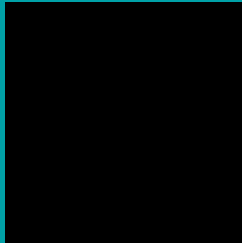
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8954, 28.6307, 41.0369

Background



This preview shows how black text looks on a background with the XYZ color 19.8954, 28.6307, 41.0369.

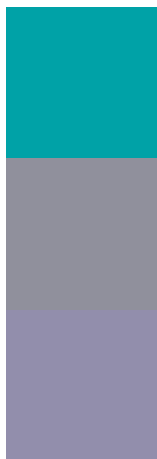


This preview shows how white text looks on a background with the XYZ color 19.8954, 28.6307,

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

19.8954, 28.6307, 41.0369

Protanopia

27.4756, 28.2761, 35.4622

Deuteranopia

28.9735, 28.4356, 42.9913



Tritanopia

20.7615, 28.7399, 44.4975

Trichromacy



Original Color

19.8954, 28.6307, 41.0369

Protanomaly

21.8254, 26.9466, 37.3086

Deuteranomaly

22.5173, 26.7243, 42.0017

Tritanomaly

20.2926, 28.5316, 42.9657

Monochromacy



Original Color

19.8954, 28.6307, 41.0369

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.0976, 19.3425, 25.1281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8954, 28.6307, 41.0369 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, 162, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 167)  
}
```

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, 162, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.8954, 28.6307, 41.0369 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, 162, 167) }
```


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

```
.border{ border-color:rgb(0, 162, 167) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 162, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8954, 28.6307, 41.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 167) }
```

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

```
.background{ background-color: rgb(0, 162,  
167) }
```

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