

Converting Colors

XYZ(10.5460, 26.9399, 28.3194)

Have a look what the booklet for
XYZ(10.5460, 26.9399, 28.3194)
contains.

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Color

**XYZ(19.2679, 31.3112,
28.6951)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC89
RGB	0, 172, 137
RGB Percent	0%, 67%, 54%
CMY	0.9999, 0.3255, 0.4627
CMYK	1.00, 0.00, 0.20, 0.33
HSL	168°, 100%, 34%
HSV	168°, 100%, 67%
XYZ	19.2679, 31.3112, 28.6951
YIQ	116.5820, -91.2770, -47.3490

Conversions

Conversions Part 2

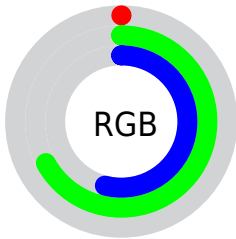
Format	Color
RYB	0, 96, 172
Decimal	44169
CIELab	62.77, -45.80, 7.58
CIELCh	63, 46.426, 170.600
Yxy	31.3112, 0.2431, 0.3950
Android (android.graphics.Color)	4278234249 (0xFF00AC89)
YUV	116.5820, 10.0661, -102.2424
Hunter-Lab	55.9564, -36.4594, 8.7649

Details

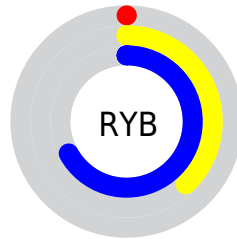
The XYZ color **19.2679, 31.3112, 28.6951** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.3178, 8.8929, 2.3955**, and the grayscale version is **16.7717, 17.6451, 19.2155**.

A 20% lighter version of the original color is **41.5519, 61.5317, 58.4020**, and **8.1987, 13.6450, 11.2185** is the 20% darker color. If you saturate the color by 10%, you get **19.2682, 31.3122, 28.6943**, and if you desaturate by 10%, it is **19.7589, 31.5356, 30.0511**.

Distribution



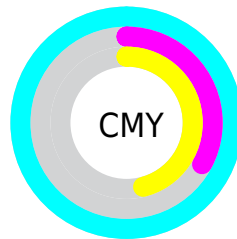
- Red (0%)
- Green (67%)
- Blue (54%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2679, 31.3112, 28.6951 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 19.2679, 31.3112, 28.6951 by changing the saturation by 10% instead.

■ 19.2679, 31.3112,
28.6951

■ 19.2679, 31.3112,
28.6951

■ 240.8336,
307.9695, 309.7894

■ 11.9692, 20.8359,
18.6067

■ 41.6997, 61.7297,
58.6287

■ 6.7947, 13.0041,
11.2125

■ 57.5634, 82.4417,
79.3110

■ 3.3792, 7.4314,
6.0940

■ 77.0129, 107.3348,
104.3616

■ 1.3573, 3.7333,
2.8326

■ 100.4135,
136.7933, 134.1992

■ 0.2255, 1.5255,
1.0098

■ 128.1305,
171.2016, 169.2422

■ 0.0000, 0.3066,
0.0000

■ 160.5292,

■ 0.0000, 0.0000,

210.9441, 209.9092

0.0000

197.9752,
256.4053, 256.6188

■ 19.2679, 31.3112,
28.6951

■ 19.2679, 31.3112,
28.6951

■ 19.2682, 31.3122,
28.6943

■ 19.7589, 31.5356,
30.0511

■ 20.4609, 31.8671,
31.4592

■ 21.4558, 32.3486,
32.9243

■ 22.7808, 32.9993,
34.4485

■ 24.4676, 33.8355,
36.0338

■ 26.5440, 34.8716,
37.6817

■ 29.0351, 36.1205,
39.3939

■ 31.9639, 37.5940,
41.1717

■ 35.3517, 39.3032,
43.0166

Harmonies

Analogous

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



21.2884, 31.3112, 16.3674



19.2679, 31.3112, 28.6951



19.7331, 31.3112, 47.9329

Triad

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



19.2679, 31.3112, 28.6951



34.2656, 31.3112, 78.4095



38.2012, 31.3112, 13.5837

Complementary

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



19.2679, 31.3112, 28.6951



17.3178, 8.8929, 2.3955

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.



42.7129, 31.3112, 23.2113



19.2679, 31.3112, 28.6951



40.2259, 31.3112, 61.4482

Square

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



19.2679, 31.3112, 28.6951



27.8107, 31.3112, 81.5271



43.5024, 31.3112, 40.1277



31.7991, 31.3112, 9.9243

Rectangle

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



19.2679, 31.3112, 28.6951



21.4201, 31.3112, 62.2828



43.5024, 31.3112, 40.1277



40.0253, 31.3112, 16.0259

Sweetspot

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



19.2688, 31.3124, 28.6958



52.4037, 65.3908, 71.2903



15.5263, 29.9047, 4.9544



10.9721, 14.0019, 15.2156



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.2688, 31.3124, 28.6958



34.8728, 56.7704, 51.6252



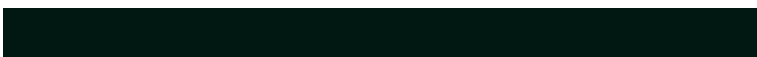
14.5639, 17.2129, 41.5859



8.1654, 9.0437, 9.8962



14.3582, 23.3086, 21.4579



0.4169, 0.6554, 0.6889

Inverse Universe

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



17.3178, 8.8929, 2.3955



31.3512, 16.1059, 4.0070



18.1018, 10.9466, 1.1594



8.0694, 8.0410, 8.6764



12.9030, 6.6237, 1.8686



0.3778, 0.1918, 0.1512

Previews

White Background



This preview shows how the XYZ color 19.2679, 31.3112, 28.6951 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.2679, 31.3112, 28.6951 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 ✓ Pass

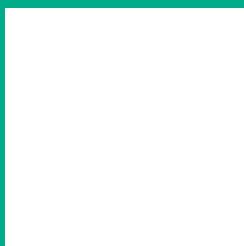
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2679, 31.3112, 28.6951

Background



This preview shows how black text looks on a background with the XYZ color 19.2679, 31.3112, 28.6951.



This preview shows how white text looks on a background with the XYZ color 19.2679, 31.3112,

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

19.2679, 31.3112, 28.6951

Protanopia

28.9703, 30.6900, 24.1355

Deuteranopia

31.3853, 30.8658, 30.2901



Tritanopia

23.2906, 31.2978, 47.9935

Trichromacy



Original Color

19.2679, 31.3112, 28.6951



Protanomaly

21.6230, 28.8321, 25.5446



Deuteranomaly

22.5925, 28.4916, 29.5080



Tritanomaly

21.3307, 31.0089, 39.9830

Monochromacy



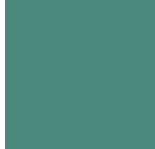
Original Color

19.2679, 31.3112, 28.6951



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.4078, 20.8024, 22.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2679, 31.3112, 28.6951 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, 172, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 137)  
}
```

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, 172, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 137) }
```

Border

The CSS property to change the border of an element to XYZ 19.2679, 31.3112, 28.6951 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, 172, 137) }
```


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

```
.border{ border-color:rgb(0, 172, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2679, 31.3112, 28.6951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 137) }
```

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

```
.background{ background-color: rgb(0, 172,  
137) }
```

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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