

Converting Colors

XYZ(17.6599, 28.0761, 34.1101)

Have a look what the booklet for
XYZ(17.6599, 28.0761, 34.1101)
contains.

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Color

**XYZ(18.9430, 28.8179,
34.2698)**

Conversions

Conversions Part 1

Format	Color
Hex	00A498
RGB	0, 164, 152
RGB Percent	0%, 64%, 60%
CMY	0.9999, 0.3569, 0.4039
CMYK	1.00, 0.00, 0.07, 0.36
HSL	176°, 100%, 32%
HSV	176°, 100%, 64%
XYZ	18.9430, 28.8179, 34.2698
YIQ	113.5960, -93.8920, -38.5000

Conversions

Conversions Part 2

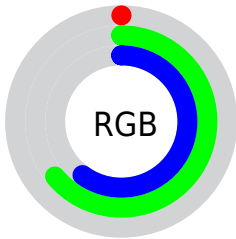
Format	Color
RYB	0, 85, 164
Decimal	42136
CIELab	60.62, -38.20, -3.94
CIELCh	61, 38.403, 185.889
Yxy	28.8179, 0.2309, 0.3513
Android (android.graphics.Color)	4278232216 (0xFF00A498)
YUV	113.5960, 18.9332, -99.6237
Hunter-Lab	53.6823, -30.9563, -0.2720

Details

The XYZ color **18.9430, 28.8179, 34.2698** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.3772, 7.9200, 1.0670**, and the grayscale version is **15.8416, 16.6666, 18.1499**.

A 20% lighter version of the original color is **41.2480, 57.9698, 67.4078**, and **8.0334, 12.3085, 14.2643** is the 20% darker color. If you saturate the color by 10%, you get **18.9433, 28.8187, 34.2695**, and if you desaturate by 10%, it is **19.2634, 28.9723, 34.8013**.

Distribution



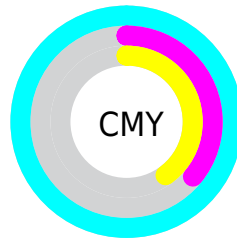
- Red (0%)
- Green (64%)
- Blue (60%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9430, 28.8179, 34.2698 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 18.9430, 28.8179, 34.2698 by changing the saturation by 10% instead.

■ 18.9430, 28.8179,
34.2698

■ 18.9430, 28.8179,
34.2698

■ 239.0781,
296.3548, 336.1392

■ 11.7329, 18.9431,
22.8219

■ 41.1554, 57.7876,
67.4917

■ 6.6329, 11.6292,
14.2580

■ 56.8883, 77.6514,
90.1028

■ 3.2779, 6.4917,
8.1595

■ 76.1929, 101.6135,
117.2720

■ 1.3024, 3.1463,
4.1080

■ 99.4345, 130.0586,
149.4179

■ 0.1850, 1.2086,
1.6848

■ 126.9785,
163.3708, 186.9591

■ 0.0000, 0.0687,
0.3503

■ 159.1902,

■ 0.0000, 0.0000,

201.9346, 230.3140

0.0000

196.4349,
246.1345, 279.9012

■ 18.9430, 28.8179,
34.2698

■ 18.9430, 28.8179,
34.2698

■ 18.9433, 28.8187,
34.2695

■ 19.2634, 28.9723,
34.8013

■ 19.7639, 29.2188,
35.3458

■ 20.5207, 29.5973,
35.9075

■ 21.5668, 30.1248,
36.4880

■ 22.9300, 30.8157,
37.0885

■ 24.6351, 31.6827,
37.7104

■ 26.7044, 32.7374,
38.3546

■ 29.1582, 33.9901,
39.0220

■ 32.0154, 35.4507,
39.7137

Harmonies

Analogous

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



19.5621, 28.8179, 21.4740



18.9430, 28.8179, 34.2698



20.3559, 28.8179, 50.3082

Triad

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



18.9430, 28.8179, 34.2698



33.3822, 28.8179, 59.1786



31.4822, 28.8179, 12.4419

Complementary

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



18.9430, 28.8179, 34.2698



15.3772, 7.9200, 1.0670

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.



35.8837, 28.8179, 17.9147



18.9430, 28.8179, 34.2698



37.0702, 28.8179, 43.9367

Square

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



18.9430, 28.8179, 34.2698



28.3826, 28.8179, 67.2279



38.0368, 28.8179, 28.6532



26.4219, 28.8179, 11.2701

Rectangle

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



18.9430, 28.8179, 34.2698



22.3739, 28.8179, 59.9249



38.0368, 28.8179, 28.6532



33.1060, 28.8179, 13.7369

Sweetspot

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



18.9438, 28.8190, 34.2705



48.2341, 59.3009, 69.5486



13.4524, 26.6428, 4.4344



10.2030, 12.7900, 15.1019



78.6606, 82.7571, 90.1225



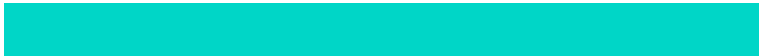
14.0027, 14.7319, 16.0430

Same Dimension

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



18.9438, 28.8190, 34.2705



34.3507, 52.2958, 62.0265



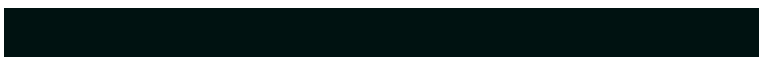
10.8552, 10.9881, 36.6719



7.2536, 8.0023, 8.9474



14.5319, 22.0991, 26.3151



0.3115, 0.4668, 0.5855

Inverse Universe

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



15.3772, 7.9200, 1.0670



27.8811, 14.3627, 1.7804



17.3989, 12.0697, 1.4135



7.0938, 7.0940, 7.4805



11.7972, 6.0749, 0.8565



0.2538, 0.1300, 0.0492

Previews

White Background



This preview shows how the XYZ color 18.9430, 28.8179, 34.2698 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 18.9430, 28.8179, 34.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

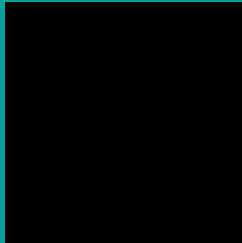
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9430, 28.8179, 34.2698

Background



This preview shows how black text looks on a background with the XYZ color 18.9430, 28.8179, 34.2698.

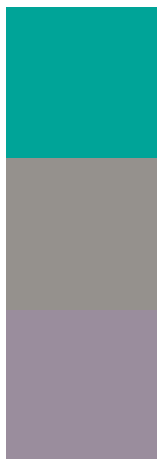


This preview shows how white text looks on a background with the XYZ color 18.9430, 28.8179,

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

18.9430, 28.8179, 34.2698

Protanopia

27.3275, 28.5634, 29.2723

Deuteranopia

28.9371, 28.3541, 35.8460



Tritanopia

21.2216, 28.9771, 44.5190

Trichromacy



Original Color

18.9430, 28.8179, 34.2698

Protanomaly

21.0584, 26.9337, 30.8769

Deuteranomaly

21.7008, 26.4581, 34.9735

Tritanomaly

20.2042, 28.8005, 40.5706

Monochromacy



Original Color

18.9430, 28.8179, 34.2698

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.8952, 19.4775, 23.3965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9430, 28.8179, 34.2698 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, 164, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 152)  
}
```

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, 164, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 152) }
```

Border

The CSS property to change the border of an element to XYZ 18.9430, 28.8179, 34.2698 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, 164, 152) }
```


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

```
.border{ border-color:rgb(0, 164, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9430, 28.8179, 34.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 152) }
```

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

```
.background{ background-color: rgb(0, 164,  
152) }
```

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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