

Converting Colors

XYZ(15.1814, 28.3628, 29.5652)

Have a look what the booklet for
XYZ(15.1814, 28.3628, 29.5652)
contains.

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Color

**XYZ(18.9216, 30.2694,
29.6562)**

Conversions

Conversions Part 1

Format	Color
Hex	00A98C
RGB	0, 169, 140
RGB Percent	0%, 66%, 55%
CMY	0.9999, 0.3372, 0.4510
CMYK	1.00, 0.00, 0.17, 0.34
HSL	170°, 100%, 33%
HSV	170°, 100%, 66%
XYZ	18.9216, 30.2694, 29.6562
YIQ	115.1630, -91.4150, -44.8470

Conversions

Conversions Part 2

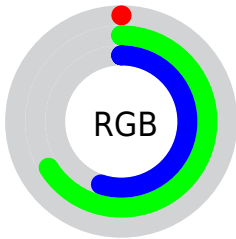
Format	Color
RYB	0, 92, 169
Decimal	43404
CIELab	61.89, -43.76, 4.64
CIELCh	62, 44.010, 173.944
Yxy	30.2694, 0.2400, 0.3839
Android (android.graphics.Color)	4278233484 (0xFF00A98C)
YUV	115.1630, 12.2446, -100.9980
Hunter-Lab	55.0176, -34.8913, 6.5532

Details

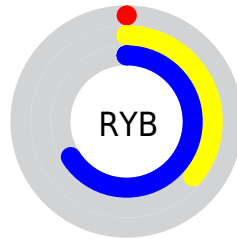
The XYZ color **18.9216, 30.2694, 29.6562** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.5850, 8.5246, 1.9351**, and the grayscale version is **16.3313, 17.1818, 18.7109**.

A 20% lighter version of the original color is **41.0651, 60.0278, 59.8743**, and **8.0909, 13.2290, 11.7999** is the 20% darker color. If you saturate the color by 10%, you get **18.9219, 30.2703, 29.6555**, and if you desaturate by 10%, it is **19.3687, 30.4756, 30.8091**.

Distribution



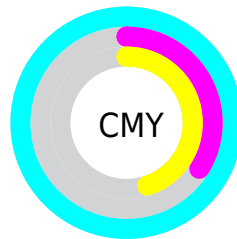
- Red (0%)
- Green (66%)
- Blue (55%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9216, 30.2694, 29.6562 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 18.9216, 30.2694, 29.6562 by changing the saturation by 10% instead.

■ 18.9216, 30.2694,
29.6562

■ 18.9216, 30.2694,
29.6562

238.9620,
303.1582, 314.4559

■ 11.7173, 20.0432,
19.3279

■ 41.1195, 60.0880,
60.1726

■ 6.6223, 12.4264,
11.7283

■ 56.8438, 80.4491,
81.1979

■ 3.2713, 7.0348,
6.4387

■ 76.1388, 104.9573,
106.6259

■ 1.2988, 3.4839,
3.0405

■ 99.3699, 133.9969,
136.8751

■ 0.1823, 1.3893,
1.1154

■ 126.9024,
167.9524, 172.3642

■ 0.0000, 0.2088,
0.0000

■ 159.1017,

■ 0.0000, 0.0000,

207.2082, 213.5117

0.0000

196.3331,
252.1487, 260.7361

■ 18.9216, 30.2694,
29.6562

■ 18.9216, 30.2694,
29.6562

■ 18.9219, 30.2703,
29.6555

■ 19.3687, 30.4756,
30.8091

■ 20.0152, 30.7832,
32.0004

■ 20.9408, 31.2340,
33.2346

■ 22.1811, 31.8464,
34.5136

■ 23.7663, 32.6359,
35.8390

■ 25.7231, 33.6163,
37.2124

■ 28.0755, 34.7999,
38.6350

■ 30.8453, 36.1981,
40.1081

■ 34.0531, 37.8213,
41.6327

Harmonies

Analogous

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



20.5581, 30.2694, 17.3280



18.9216, 30.2694, 29.6562



19.6186, 30.2694, 47.9360

Triad

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



18.9216, 30.2694, 29.6562



33.6108, 30.2694, 72.3309



35.9569, 30.2694, 13.0891

Complementary

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



18.9216, 30.2694, 29.6562



16.5850, 8.5246, 1.9351

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.



40.3997, 30.2694, 21.4788



18.9216, 30.2694, 29.6562



38.9211, 30.2694, 55.9466

Square

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



18.9216, 30.2694, 29.6562



27.5928, 30.2694, 76.8247



41.5523, 30.2694, 36.4967



29.9805, 30.2694, 10.0955

Rectangle

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



18.9216, 30.2694, 29.6562



21.3681, 30.2694, 60.9474



41.5523, 30.2694, 36.4967



37.7102, 30.2694, 15.1976

Sweetspot

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



18.9225, 30.2706, 29.6569



50.0295, 62.1963, 69.0484



14.7537, 28.6683, 4.7565



10.5187, 13.3619, 14.8239



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.



18.9225, 30.2706, 29.6569



33.8185, 54.1832, 52.7494



13.3489, 15.2387, 39.7753



7.6915, 8.5096, 9.3613



14.1192, 22.5664, 22.1923



0.3577, 0.5547, 0.6144

Inverse Universe

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



16.5850, 8.5246, 1.9351



29.6478, 15.2443, 3.1830



17.6604, 11.0303, 1.1989



7.5817, 7.5625, 8.1145



12.3743, 6.3584, 1.5166



0.3159, 0.1606, 0.1149

Previews

White Background



This preview shows how the XYZ color 18.9216, 30.2694, 29.6562 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 18.9216, 30.2694, 29.6562 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 18.9216, 30.2694, 29.6562

Background



This preview shows how black text looks on a background with the XYZ color 18.9216, 30.2694, 29.6562.

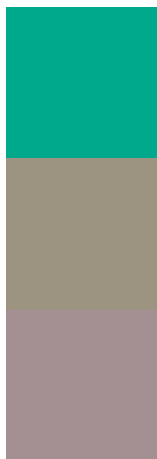


This preview shows how white text looks on a background with the XYZ color 18.9216, 30.2694,

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

18.9216, 30.2694, 29.6562

Protanopia

28.2627, 29.8327, 25.0376

Deuteranopia

30.4714, 29.9144, 31.3622



Tritanopia

22.4779, 30.3782, 46.2738

Trichromacy



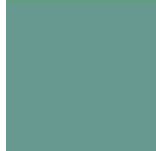
Original Color

18.9216, 30.2694, 29.6562



Protanomaly

21.2677, 28.1230, 26.4977



Deuteranomaly

22.1342, 27.7391, 30.5732



Tritanomaly

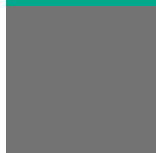
20.9021, 30.2441, 39.8580

Monochromacy



Original Color

18.9216, 30.2694, 29.6562



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.0497, 20.1996, 22.1745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9216, 30.2694, 29.6562 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, 169, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 140)  
}
```

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, 169, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.9216, 30.2694, 29.6562 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, 169, 140) }
```


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

```
.border{ border-color:rgb(0, 169, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9216, 30.2694, 29.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 140) }
```

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

```
.background{ background-color: rgb(0, 169,  
140) }
```

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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