

Converting Colors

XYZ(12.0228, 25.9925, 29.6897)

Have a look what the booklet for
XYZ(12.0228, 25.9925, 29.6897)
contains.

XYZ(18.4439, 29.1955, 29.8625)	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(18.4439, 29.1955,
29.8625)**

Conversions

Conversions Part 1

Format	Color
Hex	00A68D
RGB	0, 166, 141
RGB Percent	0%, 65%, 55%
CMY	0.9999, 0.3490, 0.4471
CMYK	1.00, 0.00, 0.15, 0.35
HSL	171°, 100%, 33%
HSV	171°, 100%, 65%
XYZ	18.4439, 29.1955, 29.8625
YIQ	113.5160, -90.9110, -42.9670

Conversions

Conversions Part 2

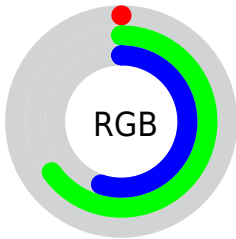
Format	Color
RYB	0, 90, 166
Decimal	42637
CIELab	60.95, -42.22, 2.74
CIELCh	61, 42.313, 176.292
Yxy	29.1955, 0.2380, 0.3767
Android (android.graphics.Color)	4278232717 (0xFF00A68D)
YUV	113.5160, 13.5496, -99.5535
Hunter-Lab	54.0329, -33.6272, 5.0550

Details

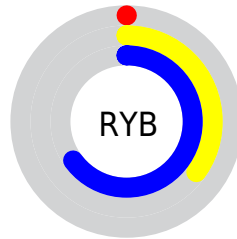
The XYZ color **18.4439, 29.1955, 29.8625** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.9023, 8.1779, 1.6611**, and the grayscale version is **15.8317, 16.6562, 18.1386**.

A 20% lighter version of the original color is **40.3852, 58.4580, 60.7848**, and **7.7935, 12.5656, 11.9122** is the 20% darker color. If you saturate the color by 10%, you get **18.4443, 29.1964, 29.8621**, and if you desaturate by 10%, it is **18.8571, 29.3875, 30.8648**.

Distribution



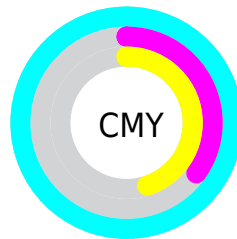
- Red (0%)
- Green (65%)
- Blue (55%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4439, 29.1955, 29.8625 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 18.4439, 29.1955, 29.8625 by changing the saturation by 10% instead.

■ 18.4439, 29.1955,
29.8625

■ 18.4439, 29.1955,
29.8625

■ 236.3588,
298.1363, 315.4503

■ 11.3708, 19.2288,
19.4831

■ 40.3165, 58.3876,
60.5031

■ 6.3859, 11.8357,
11.8395

■ 55.8466, 78.3817,
81.6014

■ 3.1240, 6.6319,
6.5133

■ 74.9264, 102.4870,
107.1096

■ 1.2197, 3.2330,
3.0858

■ 97.9214, 131.0880,
137.4465

■ 0.1218, 1.2545,
1.1386

■ 125.1967,
164.5690, 173.0304

■ 0.0000, 0.1056,
0.0000

■ 157.1178,

■ 0.0000, 0.0000,

203.3145, 214.2800

0.0000

194.0501,
247.7088, 261.6138

■ 18.4439, 29.1955,
29.8625

■ 18.4439, 29.1955,
29.8625

■ 18.4443, 29.1964,
29.8621

■ 18.8571, 29.3875,
30.8648

■ 19.4594, 29.6757,
31.8974

■ 20.3283, 30.1010,
32.9646

■ 21.4979, 30.6807,
34.0683

■ 22.9971, 31.4298,
35.2099

■ 24.8513, 32.3615,
36.3907

■ 27.0834, 33.4875,
37.6120

■ 29.7145, 34.8186,
38.8748

■ 32.7641, 36.3650,
40.1803

Harmonies

Analogous

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



19.8196, 29.1955, 17.7217



18.4439, 29.1955, 29.8625



19.2759, 29.1955, 47.2533

Triad

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



18.4439, 29.1955, 29.8625



32.7242, 29.1955, 67.5953



34.0699, 29.1955, 12.6070

Complementary

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



18.4439, 29.1955, 29.8625



15.9023, 8.1779, 1.6611

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.



38.4007, 29.1955, 20.1306



18.4439, 29.1955, 29.8625



37.5543, 29.1955, 51.8305

Square

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



18.4439, 29.1955, 29.8625



27.0684, 29.1955, 72.8222



39.7530, 29.1955, 33.7965



28.4418, 29.1955, 10.0731

Rectangle

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



18.4439, 29.1955, 29.8625



21.0394, 29.1955, 59.2319



39.7530, 29.1955, 33.7965



35.7531, 29.1955, 14.4826

Sweetspot

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



18.4447, 29.1966, 29.8632



48.9030, 60.6486, 68.1320



14.1070, 27.5158, 4.5681



10.5604, 13.3786, 15.0438



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.



18.4447, 29.1966, 29.8632



33.4109, 52.9619, 53.8654



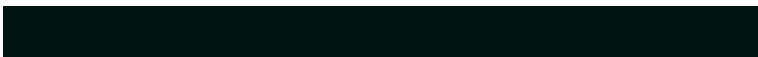
12.5324, 14.0513, 38.1293



7.6983, 8.5123, 9.3972



14.3158, 22.6451, 23.2277



0.3610, 0.5560, 0.6321

Inverse Universe

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



15.9023, 8.1779, 1.6611



28.8106, 14.8213, 2.7554



17.1092, 10.8727, 1.1974



7.5755, 7.5600, 8.0816



12.3422, 6.3456, 1.3475



0.3135, 0.1597, 0.1025

Previews

White Background



This preview shows how the XYZ color 18.4439, 29.1955, 29.8625 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 18.4439, 29.1955, 29.8625 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 18.4439, 29.1955, 29.8625

Background



This preview shows how black text looks on a background with the XYZ color 18.4439, 29.1955, 29.8625.

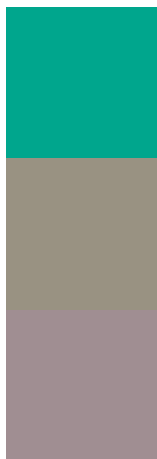


This preview shows how white text looks on a background with the XYZ color 18.4439, 29.1955,

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

18.4439, 29.1955, 29.8625

Protanopia

27.4450, 28.9418, 25.2589

Deuteranopia

29.3585, 28.8949, 31.2240



Tritanopia

21.5571, 29.1501, 44.5347

Trichromacy



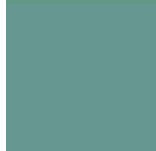
Original Color

18.4439, 29.1955, 29.8625



Protanomaly

20.6241, 27.0451, 26.6875



Deuteranomaly

21.5801, 26.9716, 30.4542



Tritanomaly

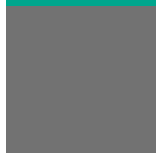
20.1542, 29.0790, 38.7330

Monochromacy



Original Color

18.4439, 29.1955, 29.8625



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.7733, 19.6468, 22.0824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4439, 29.1955, 29.8625 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, 166, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 141)  
}
```

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, 166, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 141) }
```

Border

The CSS property to change the border of an element to XYZ 18.4439, 29.1955, 29.8625 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, 166, 141) }
```


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

```
.border{ border-color:rgb(0, 166, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4439, 29.1955, 29.8625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 141) }
```

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

```
.background{ background-color: rgb(0, 166,  
141) }
```

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