

# Converting Colors

XYZ(14.5245, 28.0055, 30.0102)

Have a look what the booklet for  
XYZ(14.5245, 28.0055, 30.0102)  
contains.

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# Color

**XYZ(18.9957, 30.2990,  
30.0464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A98D
RGB	0, 169, 141
RGB Percent	0%, 66%, 55%
CMY	0.9999, 0.3372, 0.4471
CMYK	1.00, 0.00, 0.17, 0.34
HSL	170°, 100%, 33%
HSV	170°, 100%, 66%
XYZ	18.9957, 30.2990, 30.0464
YIQ	115.2770, -91.7360, -44.5360

# Conversions

## Conversions Part 2

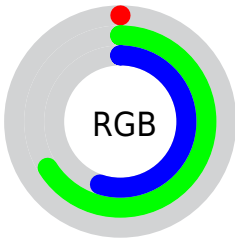
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 92, 169
Decimal	43405
CIELab	61.91, -43.49, 4.12
CIELCh	62, 43.688, 174.587
Yxy	30.2990, 0.2394, 0.3819
Android (android.graphics.Color)	4278233485 (0xFF00A98D)
YUV	115.2770, 12.6814, -101.0979
Hunter-Lab	55.0445, -34.7281, 6.1674

# Details

The XYZ color **18.9957, 30.2990, 30.0464** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.5729, 8.5198, 1.8711**, and the grayscale version is **16.3649, 17.2171, 18.7494**.

A 20% lighter version of the original color is **41.2897, 60.1177, 61.0574**, and **8.1337, 13.2461, 12.0256** is the 20% darker color. If you saturate the color by 10%, you get **18.9960, 30.2999, 30.0456**, and if you desaturate by 10%, it is **19.4372, 30.5029, 31.1694**.

# Distribution



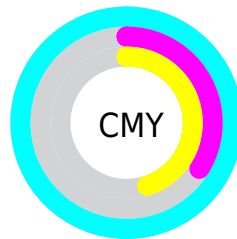
- Red (0%)
- Green (66%)
- Blue (55%)



- 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 18.9957, 30.2990, 30.0464 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 18.9957, 30.2990, 30.0464 by changing the saturation by 10% instead.





 18.9957, 30.2990,  
30.0464


 18.9957, 30.2990,  
30.0464


239.3636,  
303.2957, 316.3347


 11.7712, 20.0656,  
19.6215


 41.2438, 60.1347,  
60.7974


 6.6591, 12.4428,  
11.9388


 56.9980, 80.5059,  
81.9606


 3.2943, 7.0460,  
6.5800


 76.3262, 105.0251,  
107.5402

 1.3112, 3.4909,  
3.1264

 99.5936, 134.0767,  
137.9549

 0.1916, 1.3931,  
1.1595

 127.1658,  
168.0452, 173.6232

 0.0000, 0.2116,  
0.0000

 159.4079,

 0.0000, 0.0000,

207.3149, 214.9635

0.0000

196.6854,  
252.2703, 262.3945

■ 18.9957, 30.2990,  
30.0464

■ 18.9957, 30.2990,  
30.0464

■ 18.9960, 30.2999,  
30.0456

■ 19.4372, 30.5029,  
31.1694

■ 20.0776, 30.8081,  
32.3288

■ 20.9969, 31.2564,  
33.5291

■ 22.2304, 31.8660,  
34.7723

■ 23.8085, 32.6527,  
36.0598

■ 25.7577, 33.6301,  
37.3932

■ 28.1021, 34.8105,  
38.7738

■ 30.8637, 36.2054,  
40.2027

■ 34.0627, 37.8252,  
41.6812

# Harmonies

## Analogous

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



20.5751, 30.2990, 17.6328



18.9957, 30.2990, 30.0464



19.7394, 30.2990, 48.2776

# Triad

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



18.9957, 30.2990, 30.0464



33.7324, 30.2990, 71.7699



35.8143, 30.2990, 13.0960

# Complementary

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



18.9957, 30.2990, 30.0464



16.5729, 8.5198, 1.8711

# 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.



40.2752, 30.2990, 21.3281



18.9957, 30.2990, 30.0464



38.9638, 30.2990, 55.3783

# Square

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



18.9957, 30.2990, 30.0464



27.7511, 30.2990, 76.5307



41.4991, 30.2990, 36.1208



29.8715, 30.2990, 10.2012



# Rectangle

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



18.9957, 30.2990, 30.0464



21.5126, 30.2990, 61.1382



41.4991, 30.2990, 36.1208



37.5672, 30.2990, 15.1606

# Sweetspot

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



18.9966, 30.3002, 30.0471



50.0774, 62.2154, 69.3010



14.6726, 28.6265, 4.7528



10.5304, 13.3666, 14.8856



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

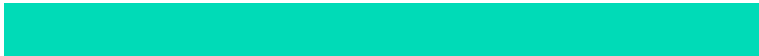


# Same Dimension

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



18.9966, 30.3002, 30.0471



33.9530, 54.2370, 53.4573



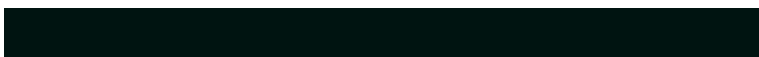
13.0310, 14.6029, 39.6692



7.6934, 8.5104, 9.3714



14.1740, 22.5883, 22.4807



0.3586, 0.5551, 0.6194



# Inverse Universe

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



16.5729, 8.5198, 1.8711



29.6274, 15.2361, 3.0757



17.7940, 11.2977, 1.2435



7.5799, 7.5618, 8.1052



12.3649, 6.3547, 1.4670



0.3152, 0.1604, 0.1114



# Previews

## White Background



This preview shows how the XYZ color 18.9957, 30.2990, 30.0464 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 18.9957, 30.2990, 30.0464 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

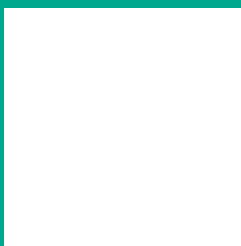
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 18.9957, 30.2990, 30.0464**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.9957, 30.2990, 30.0464.



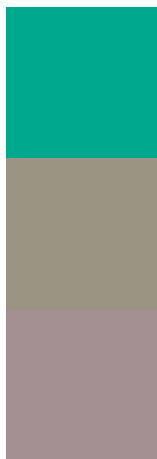
This preview shows how white text looks on a background with the XYZ color 18.9957, 30.2990,



# 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

18.9957, 30.2990, 30.0464

### Protanopia

28.3295, 29.8594, 25.3894

### Deuteranopia

30.5496, 29.9456, 31.7737



## Tritanopia

22.4779, 30.3782, 46.2738

# Trichromacy



## Original Color

18.9957, 30.2990, 30.0464

## Protanomaly

21.3371, 28.1508, 26.8633

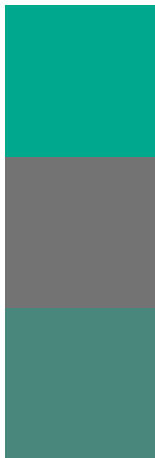
## Deuteranomaly

22.2110, 27.7699, 30.9775

## Tritanomaly

20.9021, 30.2441, 39.8580

# Monochromacy



## Original Color

18.9957, 30.2990, 30.0464

## 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 18.9957, 30.2990, 30.0464 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 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, 169, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 18.9957, 30.2990, 30.0464 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, 141) }
```



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

```
.border{ border-color:rgb(0, 169, 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, 169, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.9957, 30.2990, 30.0464 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, 141) }
```

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

```
.background{ background-color: rgb(0, 169,  
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](#).

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