

Converting Colors

XYZ(7.9768, 24.1582, 34.6674)

Have a look what the booklet for
XYZ(7.9768, 24.1582, 34.6674)
contains.

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Color

**XYZ(19.8354, 30.3384,
35.3823)**

Conversions

Conversions Part 1

Format	Color
Hex	00A89A
RGB	0, 168, 154
RGB Percent	0%, 66%, 60%
CMY	0.9999, 0.3412, 0.3961
CMYK	1.00, 0.00, 0.08, 0.34
HSL	175°, 100%, 33%
HSV	175°, 100%, 66%
XYZ	19.8354, 30.3384, 35.3823
YIQ	116.1720, -95.6340, -39.9700

Conversions

Conversions Part 2

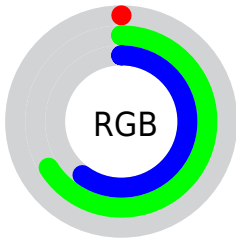
Format	Color
RYB	0, 88, 168
Decimal	43162
CIELab	61.95, -39.39, -3.11
CIELCh	62, 39.516, 184.518
Yxy	30.3384, 0.2318, 0.3546
Android (android.graphics.Color)	4278233242 (0xFF00A89A)
YUV	116.1720, 18.6492, -101.8828
Hunter-Lab	55.0803, -32.1095, 0.4697

Details

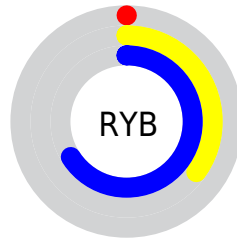
The XYZ color **19.8354, 30.3384, 35.3823** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.2288, 8.3575, 1.1742**, and the grayscale version is **16.6216, 17.4872, 19.0435**.

A 20% lighter version of the original color is **42.6569, 60.2451, 69.0547**, and **8.5789, 13.2407, 14.9355** is the 20% darker color. If you saturate the color by 10%, you get **19.8358, 30.3393, 35.3821**, and if you desaturate by 10%, it is **20.1814, 30.5039, 36.0116**.

Distribution



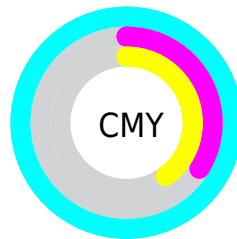
- Red (0%)
- Green (66%)
- Blue (60%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8354, 30.3384, 35.3823 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 19.8354, 30.3384, 35.3823 by changing the saturation by 10% instead.

■ 19.8354, 30.3384,
35.3823

■ 19.8354, 30.3384,
35.3823

■ 243.8732,
303.4786, 341.2080

■ 12.3830, 20.0956,
23.6716

■ 42.6471, 60.1969,
69.2359

■ 7.0791, 12.4645,
14.8803

■ 58.7371, 80.5814,
92.2158

■ 3.5584, 7.0609,
8.5897

■ 78.4371, 105.1153,
119.7893

■ 1.4555, 3.5002,
4.3814

■ 102.1123,
134.1829, 152.3748

■ 0.2952, 1.3981,
1.8368

■ 130.1282,
168.1686, 190.3908

■ 0.0000, 0.2153,
0.4521

■ 162.8501,

■ 0.0000, 0.0000,

207.4569, 234.2560

0.0000

200.6433,
252.4321, 284.3889

■ 19.8354, 30.3384,
35.3823

■ 19.8354, 30.3384,
35.3823

■ 19.8358, 30.3393,
35.3821

■ 20.1814, 30.5039,
36.0116

■ 20.7195, 30.7676,
36.6564

■ 21.5287, 31.1709,
37.3210

■ 22.6439, 31.7318,
38.0071

■ 24.0950, 32.4656,
38.7162

■ 25.9082, 33.3860,
39.4494

■ 28.1070, 34.5051,
40.2079

■ 30.7132, 35.8339,
40.9927

■ 33.7466, 37.3829,
41.8048

Harmonies

Analogous

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



20.5915, 30.3384, 22.0157



19.8354, 30.3384, 35.3823



21.2384, 30.3384, 52.4500

Triad

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



19.8354, 30.3384, 35.3823



34.9942, 30.3384, 63.3299



33.4385, 30.3384, 13.0929

Complementary

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



19.8354, 30.3384, 35.3823



16.2288, 8.3575, 1.1742

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.



38.0579, 30.3384, 19.1194



19.8354, 30.3384, 35.3823



39.0305, 30.3384, 47.2230

Square

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



19.8354, 30.3384, 35.3823



29.6447, 30.3384, 71.4299



40.2147, 30.3384, 30.7908



28.0417, 30.3384, 11.6673

Rectangle

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



19.8354, 30.3384, 35.3823



23.3238, 30.3384, 62.8968



40.2147, 30.3384, 30.7908



35.1541, 30.3384, 14.5330

Sweetspot

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



19.8363, 30.3395, 35.3830



50.7573, 62.4874, 72.8814



14.2313, 28.1239, 4.6791



10.6970, 13.4332, 15.7630



80.6108, 84.8088, 92.3568



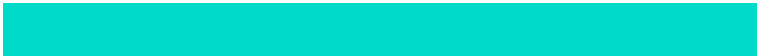
14.7206, 15.4872, 16.8656

Same Dimension

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



19.8363, 30.3395, 35.3830



35.9549, 55.0377, 63.9994



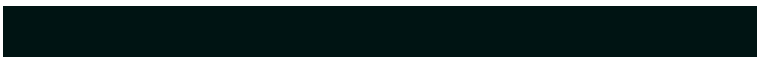
11.7039, 12.0983, 38.7654



7.7202, 8.5211, 9.5126



14.9878, 22.9139, 26.7663



0.3723, 0.5605, 0.6913

Inverse Universe

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



16.2288, 8.3575, 1.1742



29.4152, 15.1512, 1.9584



18.1692, 12.3653, 1.4299



7.5556, 7.5521, 7.9768



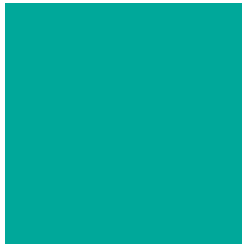
12.2630, 6.3139, 0.9308



0.3060, 0.1567, 0.0629

Previews

White Background



This preview shows how the XYZ color 19.8354, 30.3384, 35.3823 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 19.8354, 30.3384, 35.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

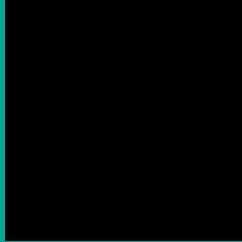
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.8354, 30.3384, 35.3823

Background



This preview shows how black text looks on a background with the XYZ color 19.8354, 30.3384, 35.3823.

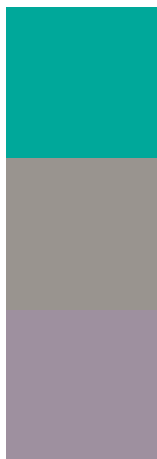


This preview shows how white text looks on a background with the XYZ color 19.8354, 30.3384,

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

19.8354, 30.3384, 35.3823

Protanopia

28.6847, 29.9353, 30.2528

Deuteranopia

30.3318, 29.7188, 36.9385



Tritanopia

22.4055, 30.5960, 46.8442

Trichromacy



Original Color

19.8354, 30.3384, 35.3823



Protanomaly

21.9176, 28.0907, 31.8706



Deuteranomaly

22.8439, 27.9835, 36.0956



Tritanomaly

21.2237, 30.3566, 42.2769

Monochromacy



Original Color

19.8354, 30.3384, 35.3823



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.5173, 20.3955, 24.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8354, 30.3384, 35.3823 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, 168, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 154)  
}
```

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, 168, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.8354, 30.3384, 35.3823 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, 168, 154) }
```


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

```
.border{ border-color:rgb(0, 168, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8354, 30.3384, 35.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 154) }
```

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

```
.background{ background-color: rgb(0, 168,  
154) }
```

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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