

Converting Colors

XYZ(8.9619, 20.3652, 33.8824)

Have a look what the booklet for
XYZ(8.9619, 20.3652, 33.8824)
contains.

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Color

**XYZ(16.8993, 24.4663,
34.4036)**

Conversions

Conversions Part 1

Format	Color
Hex	00979A
RGB	0, 151, 154
RGB Percent	0%, 59%, 60%
CMY	0.9999, 0.4078, 0.3961
CMYK	1.00, 0.02, 0.00, 0.40
HSL	181°, 100%, 30%
HSV	181°, 100%, 60%
XYZ	16.8993, 24.4663, 34.4036
YIQ	106.1930, -90.9590, -31.0790

Conversions

Conversions Part 2

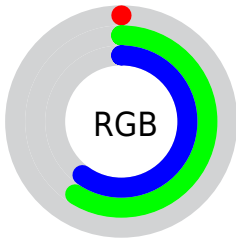
Format	Color
RYB	0, 76, 154
Decimal	38810
CIELab	56.55, -31.57, -11.13
CIELCh	57, 33.472, 199.425
Yxy	24.4663, 0.2230, 0.3229
Android (android.graphics.Color)	4278228890 (0xFF00979A)
YUV	106.1930, 23.5689, -93.1313
Hunter-Lab	49.4634, -25.5760, -6.6139

Details

The XYZ color **16.8993, 24.4663, 34.4036** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.3595, 6.9357, 0.6352**, and the grayscale version is **13.7098, 14.4237, 15.7074**.

A 20% lighter version of the original color is **37.6729, 50.8703, 67.5079**, and **6.9100, 9.9030, 14.3792** is the 20% darker color. If you saturate the color by 10%, you get **16.8997, 24.4669, 34.4042**, and if you desaturate by 10%, it is **17.1521, 24.6689, 34.4298**.

Distribution



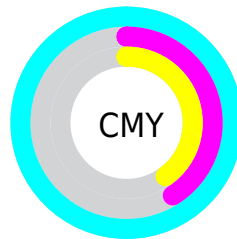
- Red (0%)
- Green (59%)
- Blue (60%)



- Red (0%)
- Yellow (30%)
- Blue (60%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8993, 24.4663, 34.4036 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 16.8993, 24.4663, 34.4036 by changing the saturation by 10% instead.

■ 16.8993, 24.4663,
34.4036

■ 16.8993, 24.4663,
34.4036

■ 227.7590,
275.1695, 336.7519

■ 10.2576, 15.6799,
22.9240

■ 37.6975, 50.7901,
67.7019

■ 5.6336, 9.2979,
14.3326

■ 52.5848, 69.0962,
90.3576

■ 2.6621, 4.9360,
8.2110

■ 70.9512, 91.3444,
117.5757

■ 0.9777, 2.2098,
4.1405

■ 93.1622, 117.9190,
149.7748

■ 0.0000, 0.7253,
1.7028

■ 119.5831,
149.2044, 187.3735

■ 0.0000, 0.0000,
0.3626

■ 150.5793,

■ 0.0000, 0.0000,

185.5850, 230.7902

0.0000

186.5162,
227.4453, 280.4435

■ 16.8993, 24.4663,
34.4036

■ 16.8993, 24.4663,
34.4036

■ 16.8997, 24.4669,
34.4042

■ 17.1521, 24.6689,
34.4298

■ 17.5563, 24.9492,
34.4626

■ 18.1819, 25.3438,
34.5058

■ 19.0568, 25.8671,
34.5607

■ 20.2050, 26.5315,
34.6285

■ 21.6475, 27.3478,
34.7100

■ 23.4034, 28.3259,
34.8062

■ 25.4900, 29.4746,
34.9180

■ 27.9236, 30.8024,
35.0460

Harmonies

Analogous

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



16.6594, 24.4663, 22.9046



16.8993, 24.4663, 34.4036



18.7278, 24.4663, 46.4082

Triad

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



16.8993, 24.4663, 34.4036



29.3998, 24.4663, 43.1111



24.6520, 24.4663, 10.6623

Complementary

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



16.8993, 24.4663, 34.4036



13.3595, 6.9357, 0.6352

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.



28.4574, 24.4663, 13.4740



16.8993, 24.4663, 34.4036



31.3943, 24.4663, 30.7602

Square

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



16.8993, 24.4663, 34.4036



25.8273, 24.4663, 52.3254



31.0314, 24.4663, 20.1416



20.8584, 24.4663, 11.1330

Rectangle

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



16.8993, 24.4663, 34.4036



20.7278, 24.4663, 52.0956



31.0314, 24.4663, 20.1416



25.9786, 24.4663, 11.2152

Sweetspot

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



16.9001, 24.4672, 34.4042



42.3003, 51.3374, 63.2159



11.5702, 23.1173, 3.9266



9.2782, 11.4555, 14.2925



74.8435, 78.7412, 85.7492



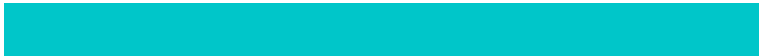
12.6291, 13.2868, 14.4694

Same Dimension

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



16.9001, 24.4672, 34.4042



30.6817, 44.4104, 62.4913



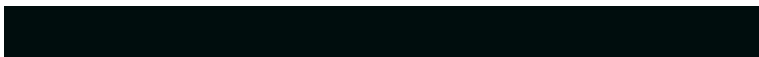
8.3117, 7.2904, 31.5414



6.3743, 7.0059, 7.9453



13.7717, 19.9400, 28.0307



0.2087, 0.3037, 0.4200

Inverse Universe

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



18.9129, 9.1050, 30.0397



34.3471, 16.5354, 54.5217



16.1645, 12.5458, 1.5702



6.4560, 6.3216, 7.7816



15.4101, 7.4183, 24.4821



0.2318, 0.1115, 0.3734

Previews

White Background



This preview shows how the XYZ color 16.8993, 24.4663, 34.4036 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 16.8993, 24.4663, 34.4036 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

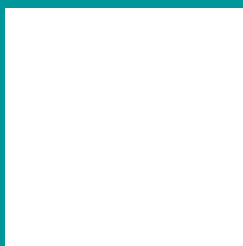
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8993, 24.4663, 34.4036

Background



This preview shows how black text looks on a background with the XYZ color 16.8993, 24.4663, 34.4036.

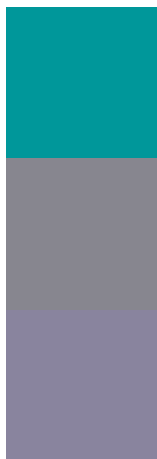


This preview shows how white text looks on a background with the XYZ color 16.8993, 24.4663,

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

16.8993, 24.4663, 34.4036

Protanopia

23.4747, 24.1843, 29.4174

Deuteranopia

24.7393, 24.2895, 35.7322



Tritanopia

17.8046, 24.6155, 37.9953

Trichromacy



Original Color

16.8993, 24.4663, 34.4036

Protanomaly

18.4823, 22.8412, 31.0384

Deuteranomaly

19.2489, 22.9258, 35.3089

Tritanomaly

17.3614, 24.4175, 36.5989

Monochromacy



Original Color

16.8993, 24.4663, 34.4036

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.8494, 16.5424, 21.2547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8993, 24.4663, 34.4036 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, 151, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 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, 151, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 154) }
```

Border

The CSS property to change the border of an element to XYZ 16.8993, 24.4663, 34.4036 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, 151, 154) }
```


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

```
.border{ border-color:rgb(0, 151, 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, 151, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8993, 24.4663, 34.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 154) }
```

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

```
.background{ background-color: rgb(0, 151,  
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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