

Converting Colors

XYZ(16.9325, 24.9990, 32.9767)

Have a look what the booklet for
XYZ(16.9325, 24.9990, 32.9767)
contains.

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Color

**XYZ(16.8963, 24.9845,
32.7861)**

Conversions

Conversions Part 1

Format	Color
Hex	009996
RGB	0, 153, 150
RGB Percent	0%, 60%, 59%
CMY	0.9999, 0.4000, 0.4118
CMYK	1.00, 0.00, 0.02, 0.40
HSL	179°, 100%, 30%
HSV	179°, 100%, 60%
XYZ	16.8963, 24.9845, 32.7861
YIQ	106.9110, -90.2250, -33.3690

Conversions

Conversions Part 2

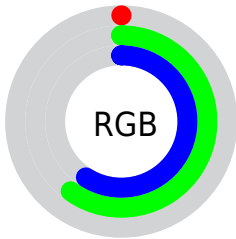
Format	Color
RYB	0, 77, 153
Decimal	39318
CIELab	57.06, -33.78, -8.09
CIELCh	57, 34.731, 193.463
Yxy	24.9845, 0.2263, 0.3346
Android (android.graphics.Color)	4278229398 (0xFF009996)
YUV	106.9110, 21.2429, -93.7609
Hunter-Lab	49.9845, -27.1344, -3.9007

Details

The XYZ color **16.8963, 24.9845, 32.7861** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.1542, 6.7798, 0.7023**, and the grayscale version is **13.9139, 14.6386, 15.9414**.

A 20% lighter version of the original color is **37.6714, 51.6450, 65.1097**, and **6.9058, 10.2082, 13.4108** is the 20% darker color. If you saturate the color by 10%, you get **16.8967, 24.9852, 32.7865**, and if you desaturate by 10%, it is **17.1233, 25.0993, 32.9236**.

Distribution



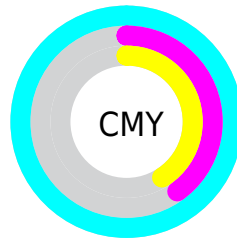
- Red (0%)
- Green (60%)
- Blue (59%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8963, 24.9845, 32.7861 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 16.8963, 24.9845, 32.7861 by changing the saturation by 10% instead.

■ 16.8963, 24.9845,
32.7861

■ 16.8963, 24.9845,
32.7861

■ 227.7420,
277.7607, 329.2872

■ 10.2554, 16.0655,
21.6929

■ 37.6924, 51.6321,
65.1536

■ 5.6322, 9.5705,
13.4352

■ 52.5784, 70.1295,
87.2649

■ 2.6613, 5.1151,
7.5947

■ 70.9434, 92.5884,
113.8860

■ 0.9773, 2.3150,
3.7527

■ 93.1528, 119.3933,
145.4355

■ 0.0000, 0.7816,
1.4907

■ 119.5721,
150.9286, 182.3318

■ 0.0000, 0.0000,
0.2110

■ 150.5664,

■ 0.0000, 0.0000,

187.5787, 224.9934

0.0000

186.5013,
229.7280, 273.8391

■ 16.8963, 24.9845,
32.7861

■ 16.8963, 24.9845,
32.7861

■ 16.8967, 24.9852,
32.7865

■ 17.1233, 25.0993,
32.9236

■ 17.4991, 25.2902,
33.0679

■ 18.0930, 25.5936,
33.2227

■ 18.9325, 26.0235,
33.3893

■ 20.0410, 26.5922,
33.5689

■ 21.4394, 27.3102,
33.7623

■ 23.1464, 28.1874,
33.9705

■ 25.1791, 29.2324,
34.1942

■ 27.5533, 30.4535,
34.4343

Harmonies

Analogous

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



16.9834, 24.9845, 21.2887



16.8963, 24.9845, 32.7861



18.4887, 24.9845, 45.8035

Triad

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



16.8963, 24.9845, 32.7861



29.5720, 24.9845, 47.0221



26.0543, 24.9845, 10.8322

Complementary

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



16.8963, 24.9845, 32.7861



13.1542, 6.7798, 0.7023

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.



29.9183, 24.9845, 14.4755



16.8963, 24.9845, 32.7861



32.1032, 24.9845, 34.1243

Square

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



16.8963, 24.9845, 32.7861



25.6236, 24.9845, 55.4791



32.2368, 24.9845, 22.2942



21.9644, 24.9845, 10.6640

Rectangle

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



16.8963, 24.9845, 32.7861



20.4069, 24.9845, 52.7086



32.2368, 24.9845, 22.2942



27.4331, 24.9845, 11.6304

Sweetspot

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



16.8971, 24.9854, 32.7867



41.2482, 50.3744, 60.8118



11.4559, 22.8164, 3.8010



8.8362, 10.9834, 13.3955



72.9764, 76.7769, 83.6100



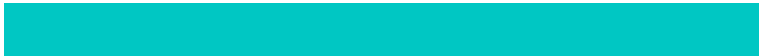
11.9732, 12.5967, 13.7178

Same Dimension

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



16.8971, 24.9854, 32.7867



30.2505, 44.7409, 58.6699



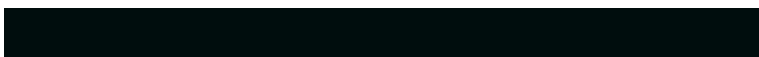
8.7386, 8.2767, 31.2750



6.3793, 7.0245, 7.9211



13.9659, 20.6498, 27.1045



0.2102, 0.3093, 0.4127

Inverse Universe

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



13.1542, 6.7798, 0.7023



23.5480, 12.1370, 1.2136



15.4172, 11.3321, 1.3755



6.2135, 6.2245, 6.5042



10.8725, 5.6032, 0.5875



0.1637, 0.0842, 0.0148

Previews

White Background



This preview shows how the XYZ color 16.8963, 24.9845, 32.7861 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 16.8963, 24.9845, 32.7861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

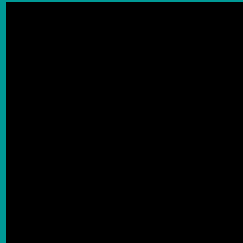
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8963, 24.9845, 32.7861

Background



This preview shows how black text looks on a background with the XYZ color 16.8963, 24.9845, 32.7861.

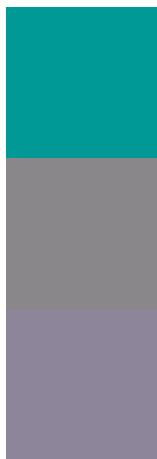


This preview shows how white text looks on a background with the XYZ color 16.8963, 24.9845,

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

16.8963, 24.9845, 32.7861

Protanopia

23.8054, 24.5953, 27.9188

Deuteranopia

25.2048, 24.7709, 34.0247



Tritanopia

18.2129, 25.0536, 38.5262

Trichromacy



Original Color

16.8963, 24.9845, 32.7861

Protanomaly

18.6554, 23.4039, 29.5208

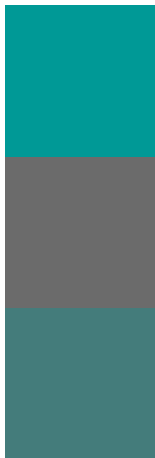
Deuteranomaly

19.3443, 23.2297, 33.6012

Tritanomaly

17.6684, 25.0635, 36.2543

Monochromacy



Original Color

16.8963, 24.9845, 32.7861

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1667, 17.0743, 21.3406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8963, 24.9845, 32.7861 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, 153, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 150)  
}
```

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, 153, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.8963, 24.9845, 32.7861 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, 153, 150) }
```


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

```
.border{ border-color:rgb(0, 153, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8963, 24.9845, 32.7861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 150) }
```

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

```
.background{ background-color: rgb(0, 153,  
150) }
```

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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