

Converting Colors

XYZ(16.5116, 23.9551, 33.4597)

Have a look what the booklet for
XYZ(16.5116, 23.9551, 33.4597)
contains.

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Color

**XYZ(16.5738, 24.0797,
33.4801)**

Conversions

Conversions Part 1

Format	Color
Hex	009698
RGB	0, 150, 152
RGB Percent	0%, 59%, 60%
CMY	0.9999, 0.4118, 0.4039
CMYK	1.00, 0.01, 0.00, 0.40
HSL	181°, 100%, 30%
HSV	181°, 100%, 60%
XYZ	16.5738, 24.0797, 33.4801
YIQ	105.3780, -90.0420, -31.1780

Conversions

Conversions Part 2

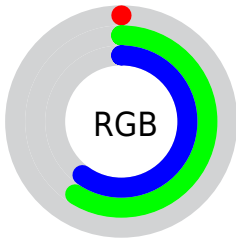
Format	Color
RYB	0, 75, 152
Decimal	38552
CIELab	56.17, -31.73, -10.56
CIELCh	56, 33.441, 198.416
Yxy	24.0797, 0.2236, 0.3248
Android (android.graphics.Color)	4278228632 (0xFF009698)
YUV	105.3780, 22.9846, -92.4165
Hunter-Lab	49.0711, -25.5858, -6.1025

Details

The XYZ color **16.5738, 24.0797, 33.4801** is a dark color, and the websafe version is hex **009999**, and the color name is **viridian green**. A complement of this color would be **12.9711, 6.7193, 0.6138**, and the grayscale version is **13.4886, 14.1911, 15.4541**.

A 20% lighter version of the original color is **37.1883, 50.2925, 66.1399**, and **6.7166, 9.6750, 13.8254** is the 20% darker color. If you saturate the color by 10%, you get **16.5743, 24.0804, 33.4807**, and if you desaturate by 10%, it is **16.8068, 24.2477, 33.5007**.

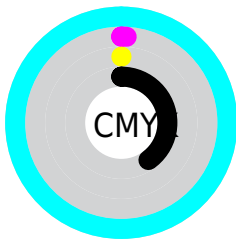
Distribution



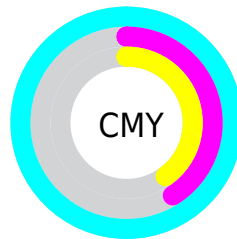
- Red (0%)
- Green (59%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5738, 24.0797, 33.4801 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 16.5738, 24.0797, 33.4801 by changing the saturation by 10% instead.

■ 16.5738, 24.0797,
33.4801

■ 16.5738, 24.0797,
33.4801

■ 225.9086,
273.2232, 332.5057

■ 10.0245, 15.3928,
22.2204

■ 37.1410, 50.1602,
66.2490

■ 5.4776, 9.0955,
13.8190

■ 51.8896, 68.3226,
88.5952

■ 2.5677, 4.8035,
7.8576

■ 70.1020, 90.4122,
115.4740

■ 0.9295, 2.1324,
3.9175

■ 92.1436, 116.8135,
147.3040

■ 0.0000, 0.6828,
1.5802

■ 118.3797,
147.9109, 184.5035

■ 0.0000, 0.0000,
0.2766

■ 149.1756,

■ 0.0000, 0.0000,

184.0887, 227.4913

0.0000

184.8968,
225.7313, 276.6859

■ 16.5738, 24.0797,
33.4801

■ 16.5738, 24.0797,
33.4801

■ 16.5743, 24.0804,
33.4807

■ 16.8068, 24.2477,
33.5007

■ 17.1859, 24.4907,
33.5276

■ 17.7799, 24.8444,
33.5646

■ 18.6157, 25.3229,
33.6129

■ 19.7165, 25.9381,
33.6736

■ 21.1027, 26.7005,
33.7477

■ 22.7928, 27.6197,
33.8361

■ 24.8035, 28.7042,
33.9394

■ 27.1506, 29.9622,
34.0585

Harmonies

Analogous

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



16.3909, 24.0797, 22.1988



16.5738, 24.0797, 33.4801



18.3292, 24.0797, 45.4223

Triad

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



16.5738, 24.0797, 33.4801



28.8640, 24.0797, 42.9008



24.4014, 24.0797, 10.4836

Complementary

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



16.5738, 24.0797, 33.4801



12.9711, 6.7193, 0.6138

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.



28.1440, 24.0797, 13.3723



16.5738, 24.0797, 33.4801



30.9062, 24.0797, 30.6967

Square

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



16.5738, 24.0797, 33.4801



25.2990, 24.0797, 51.8246



30.6289, 24.0797, 20.0914



20.6335, 24.0797, 10.8415

Rectangle

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



16.5738, 24.0797, 33.4801



20.2777, 24.0797, 51.1977



30.6289, 24.0797, 20.0914



25.7111, 24.0797, 11.0649

Sweetspot

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



16.5745, 24.0806, 33.4807



40.0376, 48.6461, 59.7131



11.2287, 22.4570, 3.7434



8.8251, 10.9074, 13.5577



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.



16.5745, 24.0806, 33.4807



29.2438, 42.4817, 59.0922



8.2529, 7.4374, 30.7068



6.3776, 7.0126, 7.9464



13.8989, 20.1944, 28.0731



0.2097, 0.3057, 0.4203

Inverse Universe

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



18.4545, 8.8780, 29.5961



32.5676, 15.6674, 52.2099



15.5343, 11.8458, 1.4682



6.4577, 6.3222, 7.7905



15.4743, 7.4439, 24.8202



0.2323, 0.1117, 0.3761

Previews

White Background



This preview shows how the XYZ color 16.5738, 24.0797, 33.4801 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 16.5738, 24.0797, 33.4801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

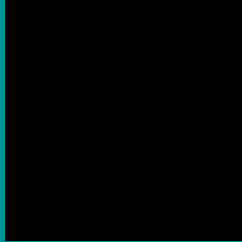
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.5738, 24.0797, 33.4801

Background



This preview shows how black text looks on a background with the XYZ color 16.5738, 24.0797, 33.4801.

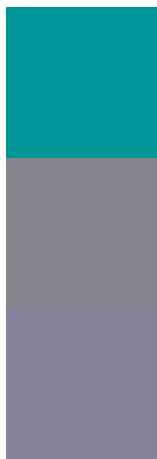


This preview shows how white text looks on a background with the XYZ color 16.5738, 24.0797,

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

16.5738, 24.0797, 33.4801

Protanopia

23.1015, 23.7964, 28.9668

Deuteranopia

24.2704, 23.8671, 34.7801



Tritanopia

17.5814, 24.2748, 37.4771

Trichromacy



Original Color

16.5738, 24.0797, 33.4801

Protanomaly

18.1672, 22.4719, 30.5741

Deuteranomaly

18.9354, 22.5698, 34.3687

Tritanomaly

17.1327, 24.0737, 36.0914

Monochromacy



Original Color

16.5738, 24.0797, 33.4801

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6650, 16.2732, 20.8859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5738, 24.0797, 33.4801 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, 150, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 152)  
}
```

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, 150, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 152) }
```

Border

The CSS property to change the border of an element to XYZ 16.5738, 24.0797, 33.4801 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, 150, 152) }
```


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

```
.border{ border-color:rgb(0, 150, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5738, 24.0797, 33.4801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 152) }
```

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

```
.background{ background-color: rgb(0, 150,  
152) }
```

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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