

Converting Colors

XYZ(16.7049, 24.9079, 31.7785)

Have a look what the booklet for
XYZ(16.7049, 24.9079, 31.7785)
contains.

XYZ(16.7365, 24.9206, 31.9450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7365, 24.9206,
31.9450)**

Conversions

Conversions Part 1

Format	Color
Hex	009994
RGB	0, 153, 148
RGB Percent	0%, 60%, 58%
CMY	0.9999, 0.4000, 0.4196
CMYK	1.00, 0.00, 0.03, 0.40
HSL	178°, 100%, 30%
HSV	178°, 100%, 60%
XYZ	16.7365, 24.9206, 31.9450
YIQ	106.6830, -89.5830, -33.9910

Conversions

Conversions Part 2

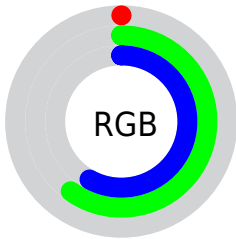
Format	Color
RYB	0, 78, 153
Decimal	39316
CIELab	57.00, -34.40, -7.04
CIELCh	57, 35.109, 191.562
Yxy	24.9206, 0.2274, 0.3386
Android (android.graphics.Color)	4278229396 (0xFF009994)
YUV	106.6830, 20.3693, -93.5610
Hunter-Lab	49.9205, -27.5165, -2.9963

Details

The XYZ color **16.7365, 24.9206, 31.9450** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.1650, 6.7840, 0.7597**, and the grayscale version is **13.8526, 14.5740, 15.8711**.

A 20% lighter version of the original color is **37.4330, 51.5497, 63.8543**, and **6.8113, 10.1704, 12.9134** is the 20% darker color. If you saturate the color by 10%, you get **16.7370, 24.9214, 31.9453**, and if you desaturate by 10%, it is **16.9789, 25.0415, 32.1641**.

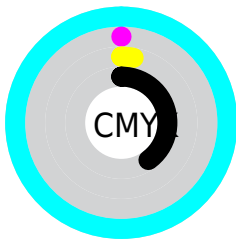
Distribution



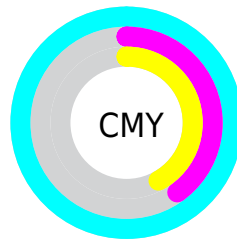
- Red (0%)
- Green (60%)
- Blue (58%)



- Red (0%)
- Yellow (31%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7365, 24.9206, 31.9450 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 16.7365, 24.9206, 31.9450 by changing the saturation by 10% instead.

■ 16.7365, 24.9206,
31.9450

■ 16.7365, 24.9206,
31.9450

■ 226.8353,
277.4423, 325.3536

■ 10.1409, 16.0179,
21.0550

■ 37.4194, 51.5284,
63.8218

■ 5.5555, 9.5368,
12.9726

■ 52.2374, 70.0023,
85.6456

■ 2.6148, 5.0930,
7.2792

■ 70.5270, 92.4353,
111.9512

■ 0.9535, 2.3019,
3.5562

■ 92.6534, 119.2120,
143.1570

■ 0.0000, 0.7747,
1.3852

■ 118.9821,
150.7166, 179.6816

■ 0.0000, 0.0000,
0.1301

■ 149.8784,

■ 0.0000, 0.0000,

187.3336, 221.9436

0.0000

185.7077,
229.4474, 270.3614

■ 16.7365, 24.9206,
31.9450

■ 16.7365, 24.9206,
31.9450

■ 16.7370, 24.9214,
31.9453

■ 16.9789, 25.0415,
32.1641

■ 17.3702, 25.2387,
32.3904

■ 17.9797, 25.5482,
32.6279

■ 18.8348, 25.9844,
32.8777

■ 19.9592, 26.5594,
33.1411

■ 21.3734, 27.2838,
33.4189

■ 23.0964, 28.1673,
33.7121

■ 25.1451, 29.2187,
34.0214

■ 27.5356, 30.4463,
34.3476

Harmonies

Analogous

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



16.9325, 24.9206, 20.5675



16.7365, 24.9206, 31.9450



18.2351, 24.9206, 45.1596

Triad

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



16.7365, 24.9206, 31.9450



29.3456, 24.9206, 47.9182



26.2835, 24.9206, 10.7900

Complementary

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



16.7365, 24.9206, 31.9450



13.1650, 6.7840, 0.7597

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.



30.1281, 24.9206, 14.6852



16.7365, 24.9206, 31.9450



32.0325, 24.9206, 34.9684

Square

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



16.7365, 24.9206, 31.9450



25.3113, 24.9206, 56.0152



32.3344, 24.9206, 22.8326



22.1323, 24.9206, 10.4134

Rectangle

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



16.7365, 24.9206, 31.9450



20.1076, 24.9206, 52.4007



32.3344, 24.9206, 22.8326



27.6662, 24.9206, 11.6640

Sweetspot

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



16.7372, 24.9215, 31.9456



41.1586, 50.3385, 60.3399



11.4558, 22.8163, 3.8008



8.8140, 10.9745, 13.2784



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.



16.7372, 24.9215, 31.9456



29.9590, 44.6243, 57.1348



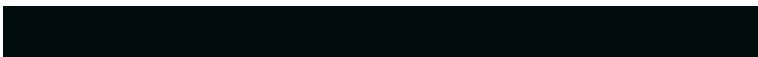
8.7382, 8.2761, 31.2749



6.3759, 7.0231, 7.9027



13.8348, 20.5974, 26.4144



0.2092, 0.3089, 0.4072

Inverse Universe

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



13.1650, 6.7840, 0.7597



23.5623, 12.1427, 1.2886



15.4169, 11.3316, 1.3752



6.2166, 6.2258, 6.5206



10.8825, 5.6072, 0.6404



0.1646, 0.0846, 0.0196

Previews

White Background



This preview shows how the XYZ color 16.7365, 24.9206, 31.9450 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 16.7365, 24.9206, 31.9450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

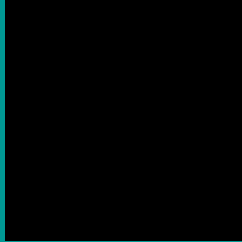
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7365, 24.9206, 31.9450

Background



This preview shows how black text looks on a background with the XYZ color 16.7365, 24.9206, 31.9450.

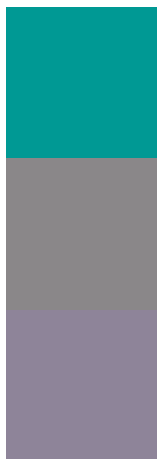


This preview shows how white text looks on a background with the XYZ color 16.7365, 24.9206,

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

16.7365, 24.9206, 31.9450

Protanopia

23.6606, 24.5374, 27.1560

Deuteranopia

25.1564, 24.5532, 33.5504



Tritanopia

18.2731, 25.0846, 38.5291

Trichromacy



Original Color

16.7365, 24.9206, 31.9450

Protanomaly

18.5052, 23.3438, 28.7298

Deuteranomaly

19.1804, 23.1642, 32.7384

Tritanomaly

17.6883, 25.0738, 36.2552

Monochromacy



Original Color

16.7365, 24.9206, 31.9450

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1044, 17.0494, 21.0125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7365, 24.9206, 31.9450 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.7365, 24.9206, 31.9450 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, 148) }
```


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

```
.border{ border-color:rgb(0, 153, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7365, 24.9206, 31.9450 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, 148) }
```

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

```
.background{ background-color: rgb(0, 153,  
148) }
```

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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