

Converting Colors

XYZ(16.0310, 24.6384, 28.2297)

Have a look what the booklet for
XYZ(16.0310, 24.6384, 28.2297)
contains.

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Color

**XYZ(16.0514, 24.6465,
28.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	00998B
RGB	0, 153, 139
RGB Percent	0%, 60%, 55%
CMY	0.9999, 0.4000, 0.4549
CMYK	1.00, 0.00, 0.09, 0.40
HSL	175°, 100%, 30%
HSV	175°, 100%, 60%
XYZ	16.0514, 24.6465, 28.3374
YIQ	105.6570, -86.6940, -36.7900

Conversions

Conversions Part 2

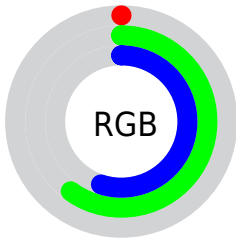
Format	Color
RYB	0, 80, 153
Decimal	39307
CIELab	56.73, -37.12, -2.30
CIELCh	57, 37.187, 183.540
Yxy	24.6465, 0.2325, 0.3570
Android (android.graphics.Color)	4278229387 (0xFF00998B)
YUV	105.6570, 16.4381, -92.6612
Hunter-Lab	49.6452, -29.1662, 0.9091

Details

The XYZ color **16.0514, 24.6465, 28.3374** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.2169, 6.8047, 1.0330**, and the grayscale version is **13.5810, 14.2883, 15.5600**.

A 20% lighter version of the original color is **36.1901, 51.0414, 57.8137**, and **6.4569, 10.0286, 11.0466** is the 20% darker color. If you saturate the color by 10%, you get **16.0518, 24.6473, 28.3374**, and if you desaturate by 10%, it is **16.3571, 24.7928, 28.8898**.

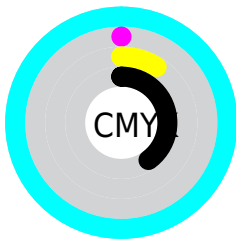
Distribution



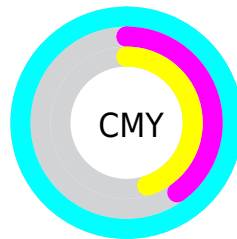
- Red (0%)
- Green (60%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0514, 24.6465, 28.3374 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 16.0514, 24.6465, 28.3374 by changing the saturation by 10% instead.


 16.0514, 24.6465,
28.3374


 16.0514, 24.6465,
28.3374


222.9093,
276.0729, 308.0382


 9.6516, 15.8139,
18.3389


 36.2441, 51.0832,
58.0522


 5.2291, 9.3925,
11.0216


 50.7678, 69.4560,
78.6057


 2.4184, 4.9981,
5.9670

 68.7301, 91.7777,
103.5145

 0.8543, 2.2461,
2.7566

 90.4965, 118.4326,
133.1972

 0.0000, 0.7450,
0.9717

 116.4322,
149.8052, 168.0724

 0.0000, 0.0000,
0.0000

 146.9027,

186.2799, 208.5586

182.2733,
228.2410, 255.0743

■ 16.0514, 24.6465,
28.3374

■ 16.0514, 24.6465,
28.3374

■ 16.0518, 24.6473,
28.3374

■ 16.3571, 24.7928,
28.8898

■ 16.8129, 25.0157,
29.4556

■ 17.4879, 25.3515,
30.0385

■ 18.4098, 25.8143,
30.6399

■ 19.6020, 26.4164,
31.2609

■ 21.0853, 27.1685,
31.9025

■ 22.8785, 28.0800,
32.5656

■ 24.9986, 29.1600,
33.2510

■ 27.4616, 30.4166,
33.9594

Harmonies

Analogous

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



16.7270, 24.6465, 17.5416



16.0514, 24.6465, 28.3374



17.1417, 24.6465, 42.3071

Triad

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



16.0514, 24.6465, 28.3374



28.3404, 24.6465, 52.0598



27.3400, 24.6465, 10.6341

Complementary

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



16.0514, 24.6465, 28.3374



13.2169, 6.8047, 1.0330

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.



31.0839, 24.6465, 15.6877



16.0514, 24.6465, 28.3374



31.7097, 24.6465, 38.9414

Square

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



16.0514, 24.6465, 28.3374



23.9444, 24.6465, 58.4148



32.7704, 24.6465, 25.3883



22.9147, 24.6465, 9.3637

Rectangle

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



16.0514, 24.6465, 28.3374



18.8128, 24.6465, 50.9823



32.7704, 24.6465, 25.3883



28.7372, 24.6465, 11.8495

Sweetspot

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



16.0521, 24.6474, 28.3380



40.7610, 50.1795, 58.2465



11.5939, 22.8875, 3.8072



8.7154, 10.9351, 12.7596



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.



16.0521, 24.6474, 28.3380



28.7098, 44.1246, 50.5569



9.5608, 9.9212, 31.5490



6.3602, 7.0168, 7.8202



13.2725, 20.3725, 23.4533



0.2046, 0.3070, 0.3831

Inverse Universe

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



13.2169, 6.8047, 1.0330



23.6375, 12.1728, 1.6848



14.8174, 10.1327, 1.1753



6.2306, 6.2314, 6.5946



10.9290, 5.6258, 0.8851



0.1687, 0.0862, 0.0413

Previews

White Background



This preview shows how the XYZ color 16.0514, 24.6465, 28.3374 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 16.0514, 24.6465, 28.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

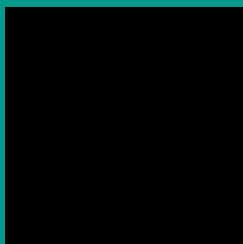
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0514, 24.6465, 28.3374

Background



This preview shows how black text looks on a background with the XYZ color 16.0514, 24.6465, 28.3374.

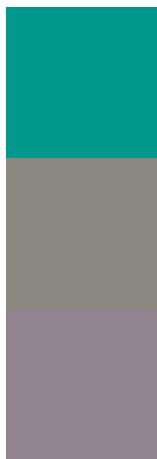


This preview shows how white text looks on a background with the XYZ color 16.0514, 24.6465,

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

16.0514, 24.6465, 28.3374

Protanopia

23.2739, 24.4019, 24.2522

Deuteranopia

24.8274, 24.2660, 29.7608



Tritanopia

18.2273, 24.8334, 38.0151

Trichromacy



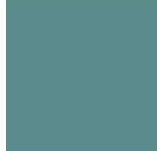
Original Color

16.0514, 24.6465, 28.3374



Protanomaly

17.9311, 23.1142, 25.7067



Deuteranomaly

18.5287, 22.6935, 28.9949



Tritanomaly

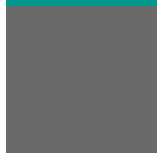
17.2760, 24.6605, 34.4213

Monochromacy



Original Color

16.0514, 24.6465, 28.3374



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.6677, 16.6672, 19.6890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0514, 24.6465, 28.3374 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 139) }
```

Border

The CSS property to change the border of an element to XYZ 16.0514, 24.6465, 28.3374 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, 139) }
```


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

```
.border{ border-color:rgb(0, 153, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0514, 24.6465, 28.3374 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, 139) }
```

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

```
.background{ background-color: rgb(0, 153,  
139) }
```

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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