

Converting Colors

XYZ(11.0342, 21.7438, 28.8922)

Have a look what the booklet for
XYZ(11.0342, 21.7438, 28.8922)
contains.

XYZ(16.0360, 24.3796, 29.0598)	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(16.0360, 24.3796,
29.0598)**

Conversions

Conversions Part 1

Format	Color
Hex	00988D
RGB	0, 152, 141
RGB Percent	0%, 60%, 55%
CMY	0.9999, 0.4039, 0.4471
CMYK	1.00, 0.00, 0.07, 0.40
HSL	176°, 100%, 30%
HSV	176°, 100%, 60%
XYZ	16.0360, 24.3796, 29.0598
YIQ	105.2980, -87.0610, -35.6450

Conversions

Conversions Part 2

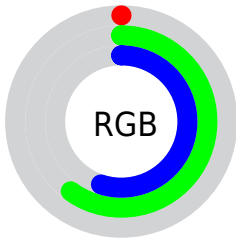
Format	Color
RYB	0, 79, 152
Decimal	39053
CIELab	56.47, -36.07, -3.83
CIELCh	56, 36.271, 186.056
Yxy	24.3796, 0.2308, 0.3509
Android (android.graphics.Color)	4278229133 (0xFF00988D)
YUV	105.2980, 17.6011, -92.3463
Hunter-Lab	49.3757, -28.4351, -0.3318

Details

The XYZ color **16.0360, 24.3796, 29.0598** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.0102, 6.7004, 0.9250**, and the grayscale version is **13.4809, 14.1830, 15.4453**.

A 20% lighter version of the original color is **36.2830, 50.6896, 59.5015**, and **6.4455, 9.8697, 11.4629** is the 20% darker color. If you saturate the color by 10%, you get **16.0363, 24.3803, 29.0597**, and if you desaturate by 10%, it is **16.3194, 24.5167, 29.5032**.

Distribution



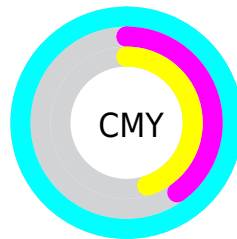
- Red (0%)
- Green (60%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0360, 24.3796, 29.0598 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 16.0360, 24.3796, 29.0598 by changing the saturation by 10% instead.

■ 16.0360, 24.3796,
29.0598

■ 16.0360, 24.3796,
29.0598

■ 222.8203,
274.7340, 311.5668

■ 9.6406, 15.6154,
18.8801

■ 36.2176, 50.6489,
59.2154

■ 5.2218, 9.2524,
11.4077

■ 50.7346, 68.9229,
80.0284

■ 2.4141, 4.9062,
6.2242

■ 68.6895, 91.1356,
105.2229

■ 0.8521, 2.1923,
2.9109

■ 90.4477, 117.6715,
135.2174

■ 0.0000, 0.7158,
1.0493

■ 116.3745,
148.9149, 170.4305

■ 0.0000, 0.0000,
0.0000

■ 146.8353,

185.2501, 211.2807

182.1954,
227.0617, 258.1867

■ 16.0360, 24.3796,
29.0598

■ 16.0360, 24.3796,
29.0598

■ 16.0363, 24.3803,
29.0597

■ 16.3194, 24.5167,
29.5032

■ 16.7497, 24.7290,
29.9571

■ 17.3957, 25.0523,
30.4254

■ 18.2842, 25.5006,
30.9094

■ 19.4386, 26.0858,
31.4101

■ 20.8792, 26.8184,
31.9285

■ 22.6243, 27.7080,
32.4654

■ 24.6910, 28.7632,
33.0218

■ 27.0948, 29.9922,
33.5982

Harmonies

Analogous

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



16.5497, 24.3796, 18.2247



16.0360, 24.3796, 29.0598



17.2395, 24.3796, 42.6099

Triad

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



16.0360, 24.3796, 29.0598



28.2554, 24.3796, 49.9651



26.6050, 24.3796, 10.5263

Complementary

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



16.0360, 24.3796, 29.0598



13.0102, 6.7004, 0.9250

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.



30.3300, 24.3796, 15.1307



16.0360, 24.3796, 29.0598



31.3605, 24.3796, 37.0766

Square

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



16.0360, 24.3796, 29.0598



24.0342, 24.3796, 56.8105



32.1621, 24.3796, 24.1801



22.3308, 24.3796, 9.5537

Rectangle

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



16.0360, 24.3796, 29.0598



18.9506, 24.3796, 50.7140



32.1621, 24.3796, 24.1801



27.9781, 24.3796, 11.6144

Sweetspot

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



16.0367, 24.3805, 29.0604



39.7326, 48.8036, 57.2451



11.3902, 22.5405, 3.7511



8.7472, 10.9478, 12.9268



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.



16.0367, 24.3805, 29.0604



28.2766, 43.0210, 51.1436



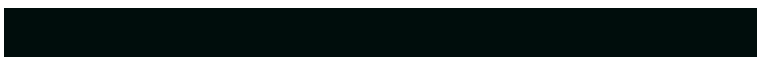
9.2136, 9.3585, 31.0276



6.3653, 7.0188, 7.8470



13.4505, 20.4436, 24.3906



0.2061, 0.3076, 0.3908

Inverse Universe

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



13.0102, 6.7004, 0.9250



22.9368, 11.8150, 1.4947



14.7463, 10.2694, 1.2057



6.2260, 6.2296, 6.5704



10.9130, 5.6194, 0.8010



0.1674, 0.0857, 0.0342

Previews

White Background



This preview shows how the XYZ color 16.0360, 24.3796, 29.0598 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 16.0360, 24.3796, 29.0598 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 16.0360, 24.3796, 29.0598

Background



This preview shows how black text looks on a background with the XYZ color 16.0360, 24.3796, 29.0598.

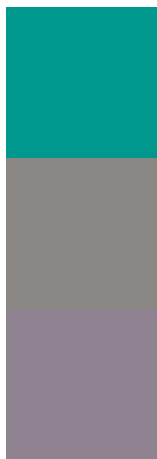


This preview shows how white text looks on a background with the XYZ color 16.0360, 24.3796,

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

16.0360, 24.3796, 29.0598

Protanopia

23.1031, 24.0922, 24.9053

Deuteranopia

24.6323, 24.1476, 30.5568



Tritanopia

17.9080, 24.4432, 37.4924

Trichromacy



Original Color

16.0360, 24.3796, 29.0598

Protanomaly

17.9226, 22.8737, 26.3921

Deuteranomaly

18.5810, 22.7030, 29.7883

Tritanomaly

17.0924, 24.3279, 34.3667

Monochromacy



Original Color

16.0360, 24.3796, 29.0598

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.5443, 16.4204, 19.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0360, 24.3796, 29.0598 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, 152, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 141)  
}
```

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, 152, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.0360, 24.3796, 29.0598 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, 152, 141) }
```


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

```
.border{ border-color:rgb(0, 152, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0360, 24.3796, 29.0598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 141) }
```

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

```
.background{ background-color: rgb(0, 152,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor