

Converting Colors

XYZ(14.6319, 24.7394, 29.3140)

Have a look what the booklet for
XYZ(14.6319, 24.7394, 29.3140)
contains.

XYZ(16.6962, 25.7000, 29.2799)	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(16.6962, 25.7000,
29.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	009C8D
RGB	0, 156, 141
RGB Percent	0%, 61%, 55%
CMY	0.9999, 0.3882, 0.4471
CMYK	1.00, 0.00, 0.10, 0.39
HSL	174°, 100%, 31%
HSV	174°, 100%, 61%
XYZ	16.6962, 25.7000, 29.2799
YIQ	107.6460, -88.1610, -37.7370

Conversions

Conversions Part 2

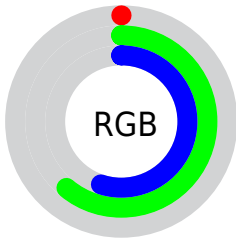
Format	Color
RYB	0, 82, 156
Decimal	40077
CIELab	57.75, -37.87, -1.93
CIELCh	58, 37.918, 182.925
Yxy	25.7000, 0.2329, 0.3586
Android (android.graphics.Color)	4278230157 (0xFF009C8D)
YUV	107.6460, 16.4435, -94.4055
Hunter-Lab	50.6952, -29.9285, 1.2426

Details

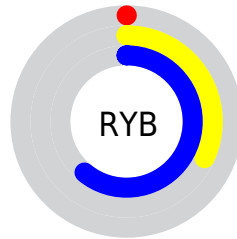
The XYZ color **16.6962, 25.7000, 29.2799** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.7974, 7.1032, 1.0967**, and the grayscale version is **14.1302, 14.8661, 16.1892**.

A 20% lighter version of the original color is **37.3610, 52.7023, 59.8332**, and **6.8386, 10.6560, 11.5939** is the 20% darker color. If you saturate the color by 10%, you get **16.6965, 25.7008, 29.2796**, and if you desaturate by 10%, it is **17.0164, 25.8527, 29.8822**.

Distribution



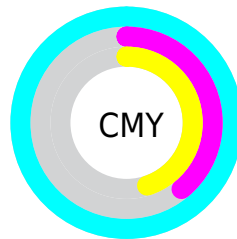
- Red (0%)
- Green (61%)
- Blue (55%)



- Red (0%)
- Yellow (32%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6962, 25.7000, 29.2799 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 16.6962, 25.7000, 29.2799 by changing the saturation by 10% instead.

■ 16.6962, 25.7000,
29.2799

■ 16.6962, 25.7000,
29.2799

■ 226.6061,
281.3063, 312.6355

■ 10.1121, 16.5993,
19.0453

■ 37.3505, 52.7906,
59.5690

■ 5.5362, 9.9492,
11.5258

■ 52.1513, 71.5493,
80.4605

■ 2.6031, 5.3653,
6.3031

■ 70.4218, 94.2961,
105.7414

■ 0.9475, 2.4632,
2.9585

■ 92.5273, 121.4155,
135.8302

■ 0.0000, 0.8581,
1.0735

■ 118.8331,
153.2918, 171.1455

■ 0.0000, 0.0000,
0.0000

■ 149.7046,

190.3095, 212.1058

185.5071,
232.8528, 259.1296

■ 16.6962, 25.7000,
29.2799

■ 16.6962, 25.7000,
29.2799

■ 16.6965, 25.7008,
29.2796

■ 17.0164, 25.8527,
29.8822

■ 17.4949, 26.0862,
30.4993

■ 18.2027, 26.4377,
31.1351

■ 19.1688, 26.9223,
31.7910

■ 20.4179, 27.5525,
32.4681

■ 21.9718, 28.3397,
33.1676

■ 23.8501, 29.2940,
33.8903

■ 26.0709, 30.4246,
34.6371

■ 28.6507, 31.7401,
35.4089

Harmonies

Analogous

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



17.4415, 25.7000, 18.0654



16.6962, 25.7000, 29.2799



17.8002, 25.7000, 43.9140

Triad

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



16.6962, 25.7000, 29.2799



29.4928, 25.7000, 54.6935



28.6254, 25.7000, 11.0876

Complementary

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



16.6962, 25.7000, 29.2799



13.7974, 7.1032, 1.0967

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.



32.5231, 25.7000, 16.4626



16.6962, 25.7000, 29.2799



33.0659, 25.7000, 40.9933

Square

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



16.6962, 25.7000, 29.2799



24.8758, 25.7000, 61.1679



34.2377, 25.7000, 26.7248



23.9837, 25.7000, 9.6886

Rectangle

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



16.6962, 25.7000, 29.2799



19.5274, 25.7000, 53.0842



34.2377, 25.7000, 26.7248



30.0846, 25.7000, 12.3852

Sweetspot

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



16.6969, 25.7010, 29.2805



43.0922, 53.0900, 61.4713



12.0963, 23.8846, 3.9733



9.1767, 11.5269, 13.4128



74.8435, 78.7412, 85.7492



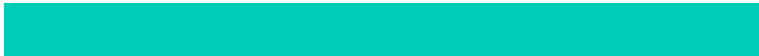
12.6291, 13.2868, 14.4694

Same Dimension

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



16.6969, 25.7010, 29.2805



30.2845, 46.6624, 52.9674



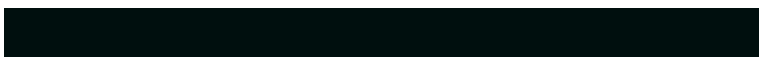
9.9694, 10.3369, 32.9233



6.7943, 7.4985, 8.3516



13.7593, 21.1717, 24.1534



0.2532, 0.3814, 0.4697

Inverse Universe

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



13.7974, 7.1032, 1.0967



25.0247, 12.8865, 1.8126



15.4561, 10.5587, 1.2241



6.6577, 6.6560, 7.0485



11.3706, 5.8528, 0.9365



0.2100, 0.1073, 0.0519

Previews

White Background



This preview shows how the XYZ color 16.6962, 25.7000, 29.2799 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 16.6962, 25.7000, 29.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

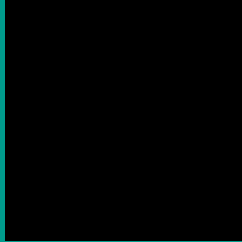
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6962, 25.7000, 29.2799

Background



This preview shows how black text looks on a background with the XYZ color 16.6962, 25.7000, 29.2799.

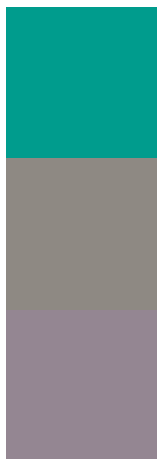


This preview shows how white text looks on a background with the XYZ color 16.6962, 25.7000,

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

16.6962, 25.7000, 29.2799

Protanopia

24.1977, 25.2808, 25.0771

Deuteranopia

25.9261, 25.4214, 30.7345



Tritanopia

19.0195, 25.9304, 39.5999

Trichromacy



Original Color

16.6962, 25.7000, 29.2799

Protanomaly

18.5629, 23.8694, 26.5506

Deuteranomaly

19.3231, 23.7393, 29.9493

Tritanomaly

17.9573, 25.7182, 35.4701

Monochromacy



Original Color

16.6962, 25.7000, 29.2799

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1780, 17.2885, 20.4118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6962, 25.7000, 29.2799 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, 156, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 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, 156, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.6962, 25.7000, 29.2799 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, 156, 141) }
```


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

```
.border{ border-color:rgb(0, 156, 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, 156, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6962, 25.7000, 29.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 141) }
```

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

```
.background{ background-color: rgb(0, 156,  
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