

Converting Colors

XYZ(10.0206, 22.0990, 29.5486)

Have a look what the booklet for
XYZ(10.0206, 22.0990, 29.5486)
contains.

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Color

**XYZ(16.6793, 25.4259,
30.0152)**

Conversions

Conversions Part 1

Format	Color
Hex	009B8F
RGB	0, 155, 143
RGB Percent	0%, 61%, 56%
CMY	0.9999, 0.3921, 0.4392
CMYK	1.00, 0.00, 0.08, 0.39
HSL	175°, 100%, 30%
HSV	175°, 100%, 61%
XYZ	16.6793, 25.4259, 30.0152
YIQ	107.2870, -88.5280, -36.5920

Conversions

Conversions Part 2

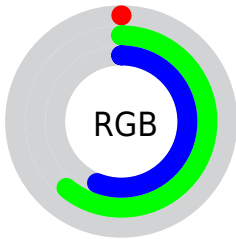
Format	Color
RYB	0, 81, 155
Decimal	39823
CIELab	57.49, -36.83, -3.46
CIELCh	57, 36.991, 185.368
Yxy	25.4259, 0.2313, 0.3525
Android (android.graphics.Color)	4278229903 (0xFF009B8F)
YUV	107.2870, 17.6065, -94.0907
Hunter-Lab	50.4241, -29.1979, 0.0042

Details

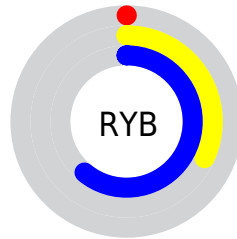
The XYZ color **16.6793, 25.4259, 30.0152** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.5848, 6.9959, 0.9829**, and the grayscale version is **14.0271, 14.7577, 16.0711**.

A 20% lighter version of the original color is **37.3411, 52.2981, 60.9498**, and **6.8260, 10.4908, 12.0211** is the 20% darker color. If you saturate the color by 10%, you get **16.6796, 25.4267, 30.0151**, and if you desaturate by 10%, it is **16.9768, 25.5693, 30.5070**.

Distribution



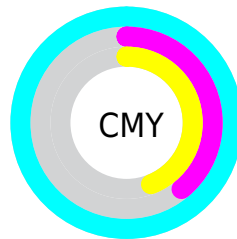
- Red (0%)
- Green (61%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6793, 25.4259, 30.0152 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 16.6793, 25.4259, 30.0152 by changing the saturation by 10% instead.

■ 16.6793, 25.4259,
30.0152

■ 16.6793, 25.4259,
30.0152

■ 226.5099,
279.9524, 316.1848

■ 10.1000, 16.3946,
19.5980

■ 37.3216, 52.3473,
60.7475

■ 5.5281, 9.8038,
11.9220

■ 52.1152, 71.0063,
81.8997

■ 2.5982, 5.2691,
6.5687

■ 70.3777, 93.6433,
107.4672

■ 0.9450, 2.4060,
3.1195

■ 92.4743, 120.6427,
137.8687

■ 0.0000, 0.8290,
1.1560

■ 118.7705,
152.3889, 173.5227

■ 0.0000, 0.0000,
0.0000

■ 149.6316,

189.2663, 214.8477

185.4230,
231.6593, 262.2622

■ 16.6793, 25.4259,
30.0152

■ 16.6793, 25.4259,
30.0152

■ 16.6796, 25.4267,
30.0151

■ 16.9768, 25.5693,
30.5070

■ 17.4294, 25.7919,
31.0105

■ 18.1074, 26.1307,
31.5297

■ 19.0395, 26.6003,
32.0659

■ 20.2497, 27.2132,
32.6203

■ 21.7597, 27.9804,
33.1938

■ 23.5887, 28.9121,
33.7875

■ 25.7545, 30.0172,
34.4021

■ 28.2734, 31.3043,
35.0384

Harmonies

Analogous

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



17.2586, 25.4259, 18.7582



16.6793, 25.4259, 30.0152



17.8991, 25.4259, 44.2246

Triad

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



16.6793, 25.4259, 30.0152



29.4058, 25.4259, 52.5379



27.8699, 25.4259, 10.9755

Complementary

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



16.6793, 25.4259, 30.0152



13.5848, 6.9959, 0.9829

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.



31.7489, 25.4259, 15.8878



16.6793, 25.4259, 30.0152



32.7084, 25.4259, 39.0703

Square

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



16.6793, 25.4259, 30.0152



24.9672, 25.4259, 59.5223



33.6139, 25.4259, 25.4777



23.3832, 25.4259, 9.8807

Rectangle

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



16.6793, 25.4259, 30.0152



19.6673, 25.4259, 52.8119



33.6139, 25.4259, 25.4777



29.3045, 25.4259, 12.1423

Sweetspot

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



16.6800, 25.4269, 30.0158



42.0305, 51.6681, 60.4430



11.8869, 23.5286, 3.9156



9.2096, 11.5400, 13.5857



74.8435, 78.7412, 85.7492



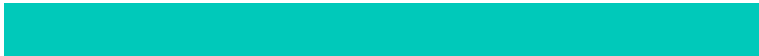
12.6291, 13.2868, 14.4694

Same Dimension

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



16.6800, 25.4269, 30.0158



29.8387, 45.5222, 53.5849



9.6092, 9.7514, 32.3872



6.3639, 7.0183, 7.8399



13.4030, 20.4247, 24.1408



0.2057, 0.3075, 0.3888

Inverse Universe

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



13.5848, 6.9959, 0.9829



24.2991, 12.5162, 1.6098



15.3854, 10.7034, 1.2557



6.2272, 6.2301, 6.5768



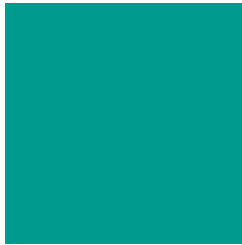
10.9170, 5.6210, 0.8220



0.1677, 0.0858, 0.0361

Previews

White Background



This preview shows how the XYZ color 16.6793, 25.4259, 30.0152 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 16.6793, 25.4259, 30.0152 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 16.6793, 25.4259, 30.0152

Background



This preview shows how black text looks on a background with the XYZ color 16.6793, 25.4259, 30.0152.

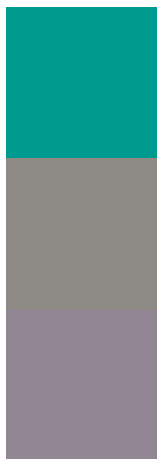


This preview shows how white text looks on a background with the XYZ color 16.6793, 25.4259,

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

16.6793, 25.4259, 30.0152

Protanopia

24.1638, 25.2475, 25.7900

Deuteranopia

25.5869, 25.0242, 31.4985



Tritanopia

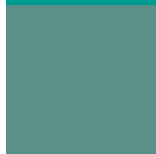
18.6920, 25.5301, 39.0646

Trichromacy



Original Color

16.6793, 25.4259, 30.0152



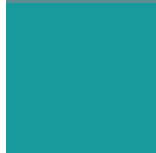
Protanomaly

18.7051, 23.9263, 27.2993



Deuteranomaly

19.2274, 23.4522, 30.7075



Tritanomaly

17.7687, 25.3770, 35.4142

Monochromacy



Original Color

16.6793, 25.4259, 30.0152



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.9817, 17.0003, 20.3665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6793, 25.4259, 30.0152 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, 155, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 143)  
}
```

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, 155, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.6793, 25.4259, 30.0152 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, 155, 143) }
```


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

```
.border{ border-color:rgb(0, 155, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6793, 25.4259, 30.0152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 143) }
```

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

```
.background{ background-color: rgb(0, 155,  
143) }
```

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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