

Converting Colors

XYZ(10.0160, 22.0763, 30.5829)

Have a look what the booklet for
XYZ(10.0160, 22.0763, 30.5829)
contains.

XYZ(16.8322, 25.4870, 30.8204)	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(16.8322, 25.4870,
30.8204)**

Conversions

Conversions Part 1

Format	Color
Hex	009B91
RGB	0, 155, 145
RGB Percent	0%, 61%, 57%
CMY	0.9999, 0.3921, 0.4314
CMYK	1.00, 0.00, 0.06, 0.39
HSL	176°, 100%, 30%
HSV	176°, 100%, 61%
XYZ	16.8322, 25.4870, 30.8204
YIQ	107.5150, -89.1700, -35.9700

Conversions

Conversions Part 2

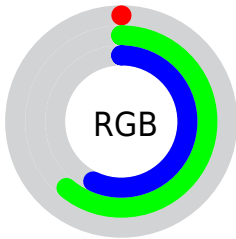
Format	Color
RYB	0, 80, 155
Decimal	39825
CIELab	57.55, -36.23, -4.51
CIELCh	58, 36.509, 187.100
Yxy	25.4870, 0.2301, 0.3485
Android (android.graphics.Color)	4278229905 (0xFF009B91)
YUV	107.5150, 18.4801, -94.2907
Hunter-Lab	50.4847, -28.8341, -0.8567

Details

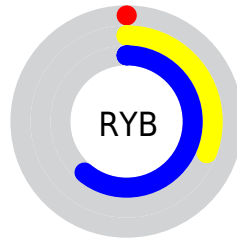
The XYZ color **16.8322, 25.4870, 30.8204** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.5732, 6.9913, 0.9220**, and the grayscale version is **14.0885, 14.8222, 16.1414**.

A 20% lighter version of the original color is **37.5718, 52.3904, 62.1649**, and **6.9158, 10.5267, 12.4938** is the 20% darker color. If you saturate the color by 10%, you get **16.8325, 25.4877, 30.8203**, and if you desaturate by 10%, it is **17.1158, 25.6248, 31.2387**.

Distribution



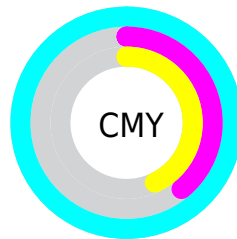
- Red (0%)
- Green (61%)
- Blue (57%)



- Red (0%)
- Yellow (31%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8322, 25.4870, 30.8204 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 16.8322, 25.4870, 30.8204 by changing the saturation by 10% instead.

■ 16.8322, 25.4870,
30.8204

■ 16.8322, 25.4870,
30.8204

227.3787,
280.2546, 320.0356

■ 10.2095, 16.4403,
20.2048

■ 37.5829, 52.4462,
62.0335

■ 5.6014, 9.8362,
12.3585

■ 52.4417, 71.1274,
83.4680

■ 2.6426, 5.2905,
6.8628

■ 70.7765, 93.7889,
109.3460

■ 0.9677, 2.4187,
3.2993

■ 92.9527, 120.8151,
140.0858

■ 0.0000, 0.8355,
1.2494

■ 119.3356,
152.5904, 176.1062

■ 0.0000, 0.0000,
0.0198

■ 150.2907,

■ 0.0000, 0.0000,

189.4992, 217.8256

0.0000

186.1833,
231.9258, 265.6625

■ 16.8322, 25.4870,
30.8204

■ 16.8322, 25.4870,
30.8204

■ 16.8325, 25.4877,
30.8203

■ 17.1158, 25.6248,
31.2387

■ 17.5541, 25.8418,
31.6672

■ 18.2177, 26.1747,
32.1098

■ 19.1349, 26.6384,
32.5679

■ 20.3301, 27.2453,
33.0426

■ 21.8247, 28.0064,
33.5348

■ 23.6380, 28.9318,
34.0456

■ 25.7878, 30.0305,
34.5757

■ 28.2904, 31.3111,
35.1260

Harmonies

Analogous

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



17.3037, 25.4870, 19.4297



16.8322, 25.4870, 30.8204



18.1435, 25.4870, 44.8664

Triad

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



16.8322, 25.4870, 30.8204



29.6321, 25.4870, 51.5954



27.6296, 25.4870, 11.0088

Complementary

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



16.8322, 25.4870, 30.8204



13.5732, 6.9913, 0.9220

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.



31.5321, 25.4870, 15.6579



16.8322, 25.4870, 30.8204



32.7815, 25.4870, 38.1623

Square

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



16.8322, 25.4870, 30.8204



25.2739, 25.4870, 58.9804



33.5154, 25.4870, 24.8925



23.2048, 25.4870, 10.1135

Rectangle

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



16.8322, 25.4870, 30.8204



19.9569, 25.4870, 53.1339



33.5154, 25.4870, 24.8925



29.0611, 25.4870, 12.0985

Sweetspot

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



16.8330, 25.4880, 30.8210



42.1200, 51.7039, 60.9142



11.8515, 23.5103, 3.9140



9.2323, 11.5491, 13.7056



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.



16.8330, 25.4880, 30.8210



30.1174, 45.6337, 55.0525



9.3939, 9.3209, 32.3153



6.3674, 7.0197, 7.8580



13.5249, 20.4734, 24.7826



0.2067, 0.3079, 0.3940

Inverse Universe

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



13.5732, 6.9913, 0.9220



24.2812, 12.5090, 1.5155



15.5361, 11.0048, 1.3060



6.2242, 6.2288, 6.5606



10.9070, 5.6170, 0.7692



0.1668, 0.0855, 0.0313

Previews

White Background



This preview shows how the XYZ color 16.8322, 25.4870, 30.8204 looks on a white background.

Color Contrast Check

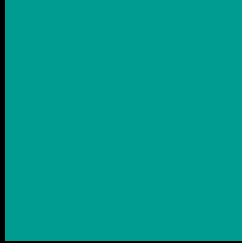
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8322, 25.4870, 30.8204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

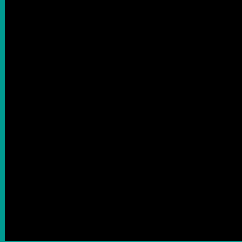
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8322, 25.4870, 30.8204

Background



This preview shows how black text looks on a background with the XYZ color 16.8322, 25.4870, 30.8204.



This preview shows how white text looks on a background with the XYZ color 16.8322, 25.4870,

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

16.8322, 25.4870, 30.8204

Protanopia

24.2332, 25.2753, 26.1556

Deuteranopia

25.7072, 25.2719, 32.3772



Tritanopia

18.6566, 25.5119, 39.0629

Trichromacy



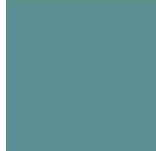
Original Color

16.8322, 25.4870, 30.8204



Protanomaly

18.7772, 23.9552, 27.6789



Deuteranomaly

19.4319, 23.7594, 31.5788



Tritanomaly

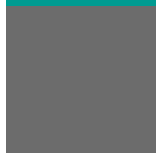
17.8304, 25.3989, 35.8610

Monochromacy



Original Color

16.8322, 25.4870, 30.8204



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

13.2390, 17.3129, 20.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8322, 25.4870, 30.8204 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.8322, 25.4870, 30.8204 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, 145) }
```


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

```
.border{ border-color:rgb(0, 155, 145) }
```

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, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8322, 25.4870, 30.8204 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, 145) }
```

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

```
.background{ background-color: rgb(0, 155,  
145) }
```

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