

Converting Colors

XYZ(10.4646, 22.8896, 23.8876)

Have a look what the booklet for
XYZ(10.4646, 22.8896, 23.8876)
contains.

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Color

**XYZ(15.8877, 25.6462,
24.1915)**

Conversions

Conversions Part 1

Format	Color
Hex	009D7F
RGB	0, 157, 127
RGB Percent	0%, 62%, 50%
CMY	0.9999, 0.3843, 0.5020
CMYK	1.00, 0.00, 0.19, 0.38
HSL	169°, 100%, 31%
HSV	169°, 100%, 62%
XYZ	15.8877, 25.6462, 24.1915
YIQ	106.6370, -83.9420, -42.6140

Conversions

Conversions Part 2

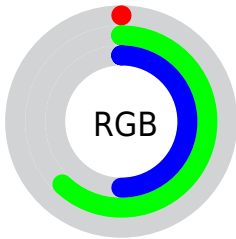
Format	Color
RYB	0, 87, 157
Decimal	40319
CIELab	57.70, -42.24, 5.93
CIELCh	58, 42.656, 172.002
Yxy	25.6462, 0.2417, 0.3902
Android (android.graphics.Color)	4278230399 (0xFF009D7F)
YUV	106.6370, 10.0390, -93.5206
Hunter-Lab	50.6421, -32.6237, 7.1269

Details

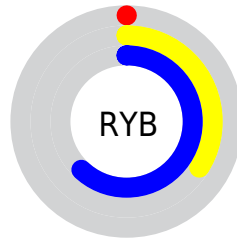
The XYZ color **15.8877, 25.6462, 24.1915** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.1398, 7.2625, 1.8859**, and the grayscale version is **13.8660, 14.5881, 15.8865**.

A 20% lighter version of the original color is **35.9015, 52.5061, 51.4225**, and **6.4267, 10.6532, 8.9253** is the 20% darker color. If you saturate the color by 10%, you get **15.8880, 25.6470, 24.1911**, and if you desaturate by 10%, it is **16.2956, 25.8342, 25.2473**.

Distribution



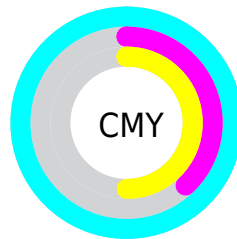
- Red (0%)
- Green (62%)
- Blue (50%)



- Red (0%)
- Yellow (34%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8877, 25.6462, 24.1915 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 15.8877, 25.6462, 24.1915 by changing the saturation by 10% instead.

■ 15.8877, 25.6462,
24.1915

■ 15.8877, 25.6462,
24.1915

■ 221.9616,
281.0410, 287.1049

■ 9.5351, 16.5591,
15.2622

■ 35.9622, 52.7036,
51.2903

■ 5.1517, 9.9207,
8.8550

■ 50.4147, 71.4428,
70.2968

■ 2.3722, 5.3464,
4.5512

■ 68.2979, 94.1681,
93.4996

■ 0.8312, 2.4519,
1.9323

■ 89.9772, 121.2640,
121.3170

■ 0.0000, 0.8524,
0.5132

■ 115.8178,
153.1148, 154.1678

■ 0.0000, 0.0000,
0.0000

■ 146.1852,

190.1050, 192.4703

181.4447,
232.6189, 236.6431

■ 15.8877, 25.6462,
24.1915

■ 15.8877, 25.6462,
24.1915

■ 15.8880, 25.6470,
24.1911

■ 16.2956, 25.8342,
25.2473

■ 16.8688, 26.1061,
26.3409

■ 17.6791, 26.4995,
27.4766

■ 18.7560, 27.0296,
28.6559

■ 20.1245, 27.7094,
29.8803

■ 21.8068, 28.5504,
31.1510

■ 23.8231, 29.5627,
32.4692

■ 26.1915, 30.7558,
33.8361

■ 28.9291, 32.1386,
35.2526

Harmonies

Analogous

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



17.4278, 25.6462, 13.9429



15.8877, 25.6462, 24.1915



16.3581, 25.6462, 39.8407

Triad

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



15.8877, 25.6462, 24.1915



28.2429, 25.6462, 62.9558



30.9346, 25.6462, 11.1087

Complementary

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



15.8877, 25.6462, 24.1915



14.1398, 7.2625, 1.8859

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.



34.6607, 25.6462, 18.6581



15.8877, 25.6462, 24.1915



32.9617, 25.6462, 49.0616

Square

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



15.8877, 25.6462, 24.1915



23.0351, 25.6462, 66.0566



35.4502, 25.6462, 32.0227



25.7678, 25.6462, 8.3076

Rectangle

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



15.8877, 25.6462, 24.1915



17.7828, 25.6462, 51.2863



35.4502, 25.6462, 32.0227



32.4253, 25.6462, 13.0168

Sweetspot

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



15.8884, 25.6472, 24.1921



42.4342, 52.8268, 58.0062



12.6350, 24.4125, 4.0466



9.0147, 11.4620, 12.5596



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.



15.8884, 25.6472, 24.1921



28.3857, 45.9029, 42.9683



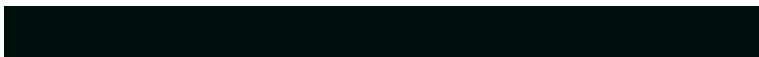
11.6520, 13.5661, 33.9038



6.7675, 7.4877, 8.2100



12.9164, 20.8345, 19.7147



0.2438, 0.3777, 0.4201

Inverse Universe

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



14.1398, 7.2625, 1.8859



25.2678, 12.9838, 3.0926



14.9262, 9.2103, 0.9915



6.6823, 6.6658, 7.1781



11.4943, 5.9023, 1.5880



0.2179, 0.1105, 0.0938

Previews

White Background



This preview shows how the XYZ color 15.8877, 25.6462, 24.1915 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 15.8877, 25.6462, 24.1915 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

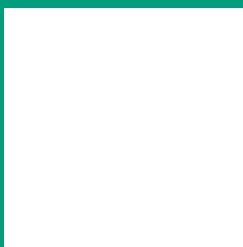
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8877, 25.6462, 24.1915

Background



This preview shows how black text looks on a background with the XYZ color 15.8877, 25.6462, 24.1915.

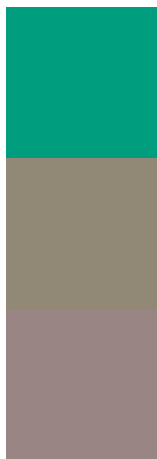


This preview shows how white text looks on a background with the XYZ color 15.8877, 25.6462,

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

15.8877, 25.6462, 24.1915

Protanopia

23.8336, 25.1954, 20.4367

Deuteranopia

25.6893, 25.2133, 25.3425



Tritanopia

19.1014, 25.7411, 39.0837

Trichromacy



Original Color

15.8877, 25.6462, 24.1915

Protanomaly

17.8381, 23.6023, 21.7047

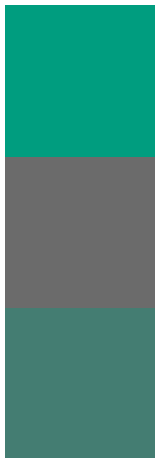
Deuteranomaly

18.6320, 23.4991, 24.6729

Tritanomaly

17.6769, 25.6216, 33.2919

Monochromacy



Original Color

15.8877, 25.6462, 24.1915

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.7548, 17.1111, 18.5501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8877, 25.6462, 24.1915 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, 157, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 127)  
}
```

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, 157, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 127) }
```

Border

The CSS property to change the border of an element to XYZ 15.8877, 25.6462, 24.1915 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, 157, 127) }
```


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

```
.border{ border-color:rgb(0, 157, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8877, 25.6462, 24.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 127) }
```

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

```
.background{ background-color: rgb(0, 157,  
127) }
```

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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