

Converting Colors

XYZ(15.3162, 25.0274, 22.3850)

Have a look what the booklet for
XYZ(15.3162, 25.0274, 22.3850)
contains.

XYZ(15.4013, 25.1821, 22.4612)	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(15.4013, 25.1821,
22.4612)**

Conversions

Conversions Part 1

Format	Color
Hex	009C7A
RGB	0, 156, 122
RGB Percent	0%, 61%, 48%
CMY	1.0000, 0.3882, 0.5216
CMYK	1.00, 0.00, 0.22, 0.39
HSL	167°, 100%, 31%
HSV	167°, 100%, 61%
XYZ	15.4013, 25.1821, 22.4612
YIQ	105.4800, -82.0620, -43.6460

Conversions

Conversions Part 2

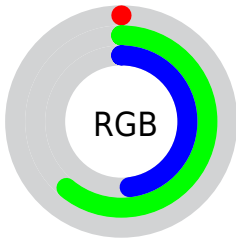
Format	Color
RYB	0, 88, 156
Decimal	40058
CIELab	57.25, -43.15, 8.12
CIELCh	57, 43.911, 169.339
Yxy	25.1821, 0.2443, 0.3994
Android (android.graphics.Color)	4278230138 (0xFF009C7A)
YUV	105.4800, 8.1444, -92.5060
Hunter-Lab	50.1818, -33.0346, 8.5892

Details

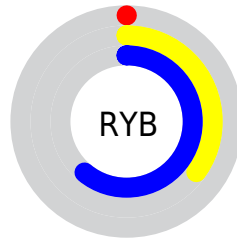
The XYZ color **15.4013, 25.1821, 22.4612** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.9999, 7.1840, 2.1632**, and the grayscale version is **13.5534, 14.2593, 15.5283**.

A 20% lighter version of the original color is **34.9587, 51.7192, 48.1847**, and **6.1529, 10.3817, 7.9829** is the 20% darker color. If you saturate the color by 10%, you get **15.4017, 25.1829, 22.4609**, and if you desaturate by 10%, it is **15.8234, 25.3756, 23.6008**.

Distribution



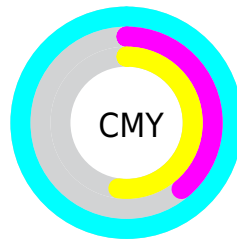
- Red (0%)
- Green (61%)
- Blue (48%)



- Red (0%)
- Yellow (35%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4013, 25.1821, 22.4612 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 15.4013, 25.1821, 22.4612 by changing the saturation by 10% instead.


 15.4013, 25.1821,
22.4612


 15.4013, 25.1821,
22.4612


219.1230,
278.7436, 277.9771


 9.1897, 16.2128,
13.9946


 35.1216, 51.9525,
48.4190


 4.9232, 9.6748,
7.9782


 49.3609, 70.5223,
66.7473


 2.2366, 5.1839,
3.9934

 67.0068, 93.0612,
89.2000

 0.7619, 2.3556,
1.6217

 88.4247, 119.9534,
116.1955

 0.0000, 0.8029,
0.3063

 113.9799,
151.5833, 148.1524

 0.0000, 0.0000,
0.0000

 144.0378,

188.3354, 185.4893

178.9637,
230.5940, 228.6247

■ 15.4013, 25.1821,
22.4612

■ 15.4013, 25.1821,
22.4612

■ 15.4017, 25.1829,
22.4609

■ 15.8234, 25.3756,
23.6008

■ 16.4097, 25.6522,
24.7864

■ 17.2313, 26.0492,
26.0223

■ 18.3173, 26.5817,
27.3102

■ 19.6924, 27.2623,
28.6516

■ 21.3784, 28.1023,
30.0479

■ 23.3951, 29.1119,
31.5004

■ 25.7605, 30.3003,
33.0103

■ 28.4913, 31.6762,
34.5787

Harmonies

Analogous

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



17.1307, 25.1821, 12.6870



15.4013, 25.1821, 22.4612



15.6946, 25.1821, 38.0221

Triad

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



15.4013, 25.1821, 22.4612



27.3964, 25.1821, 64.2258



31.0490, 25.1821, 10.9431

Complementary

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



15.4013, 25.1821, 22.4612



13.9999, 7.1840, 2.1632

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.



34.6480, 25.1821, 18.9968



15.4013, 25.1821, 22.4612



32.3373, 25.1821, 50.5943

Square

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



15.4013, 25.1821, 22.4612



22.1345, 25.1821, 66.2216



35.1509, 25.1821, 33.0575



25.8302, 25.1821, 7.8228

Rectangle

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



15.4013, 25.1821, 22.4612



17.0125, 25.1821, 49.8375



35.1509, 25.1821, 33.0575



32.5186, 25.1821, 12.9918

Sweetspot

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



15.4020, 25.1831, 22.4618



42.2526, 52.7542, 57.0500



12.6309, 24.1603, 3.9980



8.9701, 11.4442, 12.3249



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.



15.4020, 25.1831, 22.4618



27.8973, 45.7075, 40.3964



12.0643, 14.5267, 33.6218



6.7599, 7.4847, 8.1703



12.6989, 20.7475, 18.5695



0.2412, 0.3766, 0.4067

Inverse Universe

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



13.9999, 7.1840, 2.1632



25.3653, 13.0227, 3.6058



14.5251, 8.6966, 0.9134



6.6893, 6.6686, 7.2150



11.5421, 5.9214, 1.8397



0.2202, 0.1114, 0.1057

Previews

White Background



This preview shows how the XYZ color 15.4013, 25.1821, 22.4612 looks on a white background.

Color Contrast Check

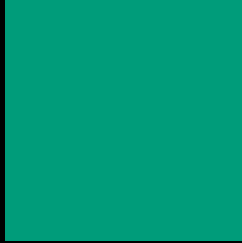
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4013, 25.1821, 22.4612 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 15.4013, 25.1821, 22.4612

Background



This preview shows how black text looks on a background with the XYZ color 15.4013, 25.1821, 22.4612.

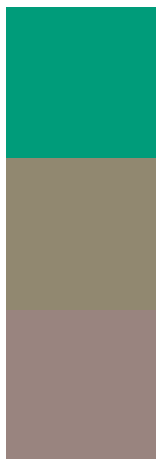


This preview shows how white text looks on a background with the XYZ color 15.4013, 25.1821,

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

15.4013, 25.1821, 22.4612

Protanopia

23.4058, 24.7979, 18.8821

Deuteranopia

25.2189, 24.8071, 23.5378



Tritanopia

18.8964, 25.4059, 38.5582

Trichromacy



Original Color

15.4013, 25.1821, 22.4612



Protanomaly

17.3885, 23.1812, 20.0809



Deuteranomaly

18.1563, 23.0718, 22.8984



Tritanomaly

17.3016, 25.2119, 31.9715

Monochromacy



Original Color

15.4013, 25.1821, 22.4612



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.3916, 16.7563, 17.6201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4013, 25.1821, 22.4612 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.4013, 25.1821, 22.4612 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, 122) }
```


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

```
.border{ border-color:rgb(0, 156, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4013, 25.1821, 22.4612 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, 122) }
```

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

```
.background{ background-color: rgb(0, 156,  
122) }
```

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