

Converting Colors

XYZ(12.7015, 24.7176, 17.2511)

Have a look what the booklet for
XYZ(12.7015, 24.7176, 17.2511)
contains.

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Color

**XYZ(14.8968, 25.7958,
17.2906)**

Conversions

Conversions Part 1

Format	Color
Hex	009F68
RGB	0, 159, 104
RGB Percent	0%, 62%, 41%
CMY	1.0000, 0.3765, 0.5922
CMYK	1.00, 0.00, 0.35, 0.38
HSL	159°, 100%, 31%
HSV	159°, 100%, 62%
XYZ	14.8968, 25.7958, 17.2906
YIQ	105.1890, -77.1090, -50.8130

Conversions

Conversions Part 2

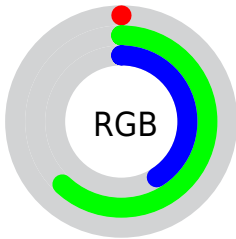
Format	Color
RYB	0, 96, 159
Decimal	40808
CIELab	57.84, -48.71, 19.01
CIELCh	58, 52.286, 158.679
Yxy	25.7958, 0.2569, 0.4449
Android (android.graphics.Color)	4278230888 (0xFF009F68)
YUV	105.1890, -0.5862, -92.2508
Hunter-Lab	50.7896, -36.5269, 15.3682

Details

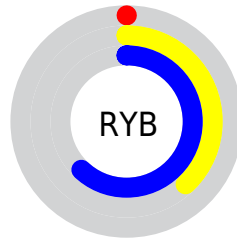
The XYZ color **14.8968, 25.7958, 17.2906** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.9885, 7.6473, 4.3014**, and the grayscale version is **13.4958, 14.1987, 15.4624**.

A 20% lighter version of the original color is **34.2413, 53.0421, 39.4438**, and **5.8678, 10.5936, 5.4769** is the 20% darker color. If you saturate the color by 10%, you get **14.8973, 25.7967, 17.2907**, and if you desaturate by 10%, it is **15.3981, 26.0216, 18.8211**.

Distribution



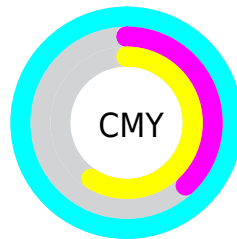
- Red (0%)
- Green (62%)
- Blue (41%)



- Red (0%)
- Yellow (38%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8968, 25.7958, 17.2906 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 14.8968, 25.7958, 17.2906 by changing the saturation by 10% instead.


 14.8968, 25.7958,
17.2906


 14.8968, 25.7958,
17.2906


216.1415,
281.7782, 248.9419


 8.8328, 16.6709,
10.2778


 34.2452, 52.9453,
39.6222


 4.6885, 10.0002,
5.4755


 48.2603, 71.7388,
55.7781


 2.0986, 5.3991,
2.4653

 65.6565, 94.5239,
75.8187

 0.6884, 2.4833,
0.8217

 86.7992, 121.6851,
100.1626

 0.0000, 0.8682,
0.0000

 112.0537,
153.6067, 129.2283

 0.0000, 0.0000,
0.0000

 141.7853,

190.6732, 163.4344

176.3595,
233.2689, 203.1994

■ 14.8968, 25.7958,
17.2906

■ 14.8968, 25.7958,
17.2906

■ 14.8973, 25.7967,
17.2907

■ 15.3981, 26.0216,
18.8211

■ 16.0829, 26.3391,
20.4566

■ 17.0245, 26.7868,
22.2027

■ 18.2536, 27.3806,
24.0625

■ 19.7964, 28.1338,
26.0389

■ 21.6760, 29.0583,
28.1346

■ 23.9134, 30.1650,
30.3520

■ 26.5277, 31.4635,
32.6936

■ 29.5366, 32.9632,
35.1617

Harmonies

Analogous

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



17.7155, 25.7958, 8.8082



14.8968, 25.7958, 17.2906



14.4083, 25.7958, 33.6395

Triad

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



14.8968, 25.7958, 17.2906



26.3871, 25.7958, 78.0627



35.2121, 25.7958, 11.5365

Complementary

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



14.8968, 25.7958, 17.2906



14.9885, 7.6473, 4.3014

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.



38.5074, 25.7958, 23.1822



14.8968, 25.7958, 17.2906



32.8712, 25.7958, 64.6879

Square

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



14.8968, 25.7958, 17.2906



20.3821, 25.7958, 74.2289



37.5844, 25.7958, 42.6413



29.1790, 25.7958, 6.6110

Rectangle

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



14.8968, 25.7958, 17.2906



15.3719, 25.7958, 48.1822



37.5844, 25.7958, 42.6413



36.7199, 25.7958, 14.5383

Sweetspot

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



14.8975, 25.7968, 17.2912



42.5771, 53.8976, 54.1216



14.0103, 25.6281, 4.2085



9.2258, 11.9664, 11.8413



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.8975, 25.7968, 17.2912



26.5841, 46.1600, 30.4668



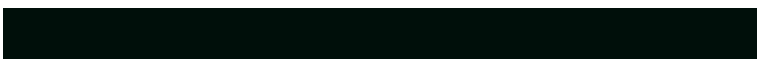
14.9437, 19.8741, 35.8507



6.7243, 7.4705, 7.9827



11.7861, 20.3824, 13.7624



0.2299, 0.3721, 0.3471

Inverse Universe

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



14.9885, 7.6473, 4.3014



26.7584, 13.6614, 7.2640



14.6223, 8.0186, 0.7772



6.7231, 6.6821, 7.3927



11.8559, 6.0469, 3.4923



0.2309, 0.1157, 0.1621

Previews

White Background



This preview shows how the XYZ color 14.8968, 25.7958, 17.2906 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 14.8968, 25.7958, 17.2906 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 14.8968, 25.7958, 17.2906

Background



This preview shows how black text looks on a background with the XYZ color 14.8968, 25.7958, 17.2906.



This preview shows how white text looks on a background with the XYZ color 14.8968, 25.7958,

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

14.8968, 25.7958, 17.2906

Protanopia

23.5485, 25.3927, 14.4866

Deuteranopia

25.8999, 25.4779, 18.3045



Tritanopia

19.5600, 25.9776, 39.1052

Trichromacy



Original Color

14.8968, 25.7958, 17.2906



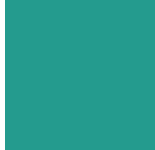
Protanomaly

17.2028, 23.8725, 15.2564



Deuteranomaly

17.8593, 23.2535, 17.7344



Tritanomaly

17.3314, 25.7708, 29.6520

Monochromacy



Original Color

14.8968, 25.7958, 17.2906



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.1982, 16.8804, 15.9799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8968, 25.7958, 17.2906 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, 159, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 104)  
}
```

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, 159, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 104) }
```

Border

The CSS property to change the border of an element to XYZ 14.8968, 25.7958, 17.2906 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, 159, 104) }
```


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

```
.border{ border-color:rgb(0, 159, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8968, 25.7958, 17.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 104) }
```

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

```
.background{ background-color: rgb(0, 159,  
104) }
```

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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