

Converting Colors

XYZ(15.0053, 25.5924, 18.6224)

Have a look what the booklet for
XYZ(15.0053, 25.5924, 18.6224)
contains.

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Color

**XYZ(14.9872, 25.5578,
18.6113)**

Conversions

Conversions Part 1

Format	Color
Hex	009E6D
RGB	0, 158, 109
RGB Percent	0%, 62%, 43%
CMY	0.9999, 0.3804, 0.5725
CMYK	1.00, 0.00, 0.31, 0.38
HSL	161°, 100%, 31%
HSV	161°, 100%, 62%
XYZ	14.9872, 25.5578, 18.6113
YIQ	105.1720, -78.4390, -48.7350

Conversions

Conversions Part 2

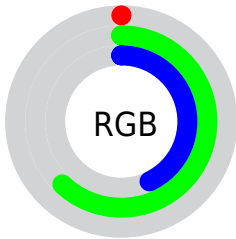
Format	Color
RYB	0, 93, 158
Decimal	40557
CIELab	57.61, -47.18, 15.93
CIELCh	58, 49.797, 161.346
Yxy	25.5578, 0.2533, 0.4320
Android (android.graphics.Color)	4278230637 (0xFF009E6D)
YUV	105.1720, 1.8872, -92.2358
Hunter-Lab	50.5547, -35.5535, 13.5612

Details

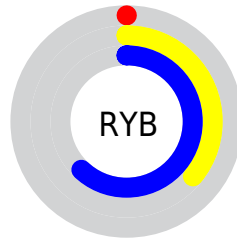
The XYZ color **14.9872, 25.5578, 18.6113** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.6559, 7.4916, 3.5811**, and the grayscale version is **13.4857, 14.1880, 15.4508**.

A 20% lighter version of the original color is **34.5041, 52.7411, 42.0797**, and **5.8939, 10.4401, 6.1194** is the 20% darker color. If you saturate the color by 10%, you get **14.9874, 25.5586, 18.6105**, and if you desaturate by 10%, it is **15.4695, 25.7758, 20.0503**.

Distribution



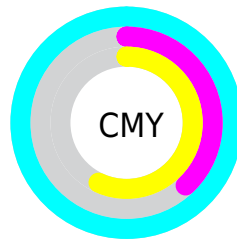
- Red (0%)
- Green (62%)
- Blue (43%)



- Red (0%)
- Yellow (36%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9872, 25.5578, 18.6113 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 14.9872, 25.5578, 18.6113 by changing the saturation by 10% instead.


 14.9872, 25.5578,
18.6113

 14.9872, 25.5578,
18.6113


216.6786,
280.6045, 256.6453


 8.8967, 16.4931,
11.2158

 34.4026, 52.5607,
41.9042


 4.7304, 9.8738,
6.0962


 48.4581, 71.2677,
58.6386


 2.1231, 5.3153,
2.8339

 65.8993, 93.9576,
79.3231

 0.7017, 2.4334,
1.0105

 87.0917, 121.0148,
104.3762

 0.0000, 0.8430,
0.0000

 112.4004,
152.8237, 134.2164

 0.0000, 0.0000,
0.0000

 142.1909,

189.7687, 169.2623

176.8285,
232.2342, 209.9324

■ 14.9872, 25.5578,
18.6113

■ 14.9872, 25.5578,
18.6113

■ 14.9874, 25.5586,
18.6105

■ 15.4695, 25.7758,
20.0503

■ 16.1290, 26.0827,
21.5751

■ 17.0382, 26.5166,
23.1908

■ 18.2272, 27.0929,
24.8999

■ 19.7217, 27.8250,
26.7048

■ 21.5444, 28.7244,
28.6077

■ 23.7159, 29.8017,
30.6105

■ 26.2548, 31.0666,
32.7153

■ 29.1786, 32.5281,
34.9239

Harmonies

Analogous

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



17.4928, 25.5578, 9.7700



14.9872, 25.5578, 18.6113



14.7154, 25.5578, 34.7823

Triad

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



14.9872, 25.5578, 18.6113



26.6122, 25.5578, 73.8801



33.9293, 25.5578, 11.3139

Complementary

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



14.9872, 25.5578, 18.6113



14.6559, 7.4916, 3.5811

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.



37.3192, 25.5578, 21.8687



14.9872, 25.5578, 18.6113



32.6576, 25.5578, 60.3718

Square

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



14.9872, 25.5578, 18.6113



20.8144, 25.5578, 71.8277



36.8192, 25.5578, 39.6743



28.1367, 25.5578, 6.9011

Rectangle

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



14.9872, 25.5578, 18.6113



15.7750, 25.5578, 48.5815



36.8192, 25.5578, 39.6743



35.4272, 25.5578, 14.0301

Sweetspot

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



14.9879, 25.5588, 18.6119



42.8131, 53.9921, 55.3648



13.5450, 25.1338, 4.1379



9.2849, 11.9900, 12.1522



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.



14.9879, 25.5588, 18.6119



27.1231, 46.3756, 33.3052



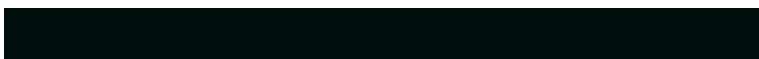
14.0272, 18.1794, 35.1185



6.7342, 7.4744, 8.0348



12.0212, 20.4764, 15.0006



0.2329, 0.3733, 0.3630

Inverse Universe

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



14.6559, 7.4916, 3.5811



26.5338, 13.5716, 6.0810



14.5400, 8.1471, 0.8067



6.7136, 6.6783, 7.3428



11.7532, 6.0058, 2.9514



0.2279, 0.1145, 0.1464

Previews

White Background



This preview shows how the XYZ color 14.9872, 25.5578, 18.6113 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 14.9872, 25.5578, 18.6113 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 14.9872, 25.5578, 18.6113

Background



This preview shows how black text looks on a background with the XYZ color 14.9872, 25.5578, 18.6113.



This preview shows how white text looks on a background with the XYZ color 14.9872, 25.5578,

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

14.9872, 25.5578, 18.6113

Protanopia

23.4587, 25.1073, 15.6664

Deuteranopia

25.6439, 25.1113, 19.7150



Tritanopia

19.1988, 25.5618, 38.5724

Trichromacy



Original Color

14.9872, 25.5578, 18.6113



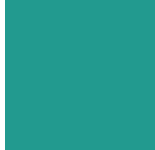
Protanomaly

17.1897, 23.6098, 16.4831



Deuteranomaly

17.8723, 23.0087, 19.1219



Tritanomaly

17.1732, 25.4345, 29.9908

Monochromacy



Original Color

14.9872, 25.5578, 18.6113



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.1239, 16.6492, 16.2103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9872, 25.5578, 18.6113 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, 158, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 109)  
}
```

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, 158, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 109) }
```

Border

The CSS property to change the border of an element to XYZ 14.9872, 25.5578, 18.6113 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, 158, 109) }
```


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

```
.border{ border-color:rgb(0, 158, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9872, 25.5578, 18.6113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 109) }
```

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

```
.background{ background-color: rgb(0, 158,  
109) }
```

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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