

Converting Colors

XYZ(15.1403, 25.8943, 18.5694)

Have a look what the booklet for
XYZ(15.1403, 25.8943, 18.5694)
contains.

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Color

**XYZ(15.1585, 25.9004,
18.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	009F6D
RGB	0, 159, 109
RGB Percent	0%, 62%, 43%
CMY	0.9999, 0.3765, 0.5725
CMYK	1.00, 0.00, 0.31, 0.38
HSL	161°, 100%, 31%
HSV	161°, 100%, 62%
XYZ	15.1585, 25.9004, 18.6683
YIQ	105.7590, -78.7140, -49.2580

Conversions

Conversions Part 2

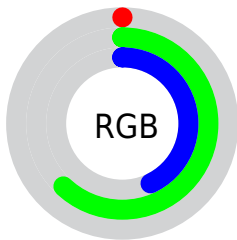
Format	Color
RYB	0, 94, 159
Decimal	40813
CIELab	57.94, -47.57, 16.38
CIELCh	58, 50.308, 161.000
Yxy	25.9004, 0.2538, 0.4336
Android (android.graphics.Color)	4278230893 (0xFF009F6D)
YUV	105.7590, 1.5978, -92.7506
Hunter-Lab	50.8924, -35.8949, 13.8760

Details

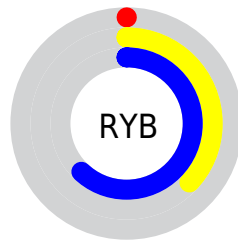
The XYZ color **15.1585, 25.9004, 18.6683** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.8749, 7.6020, 3.7030**, and the grayscale version is **13.6466, 14.3572, 15.6350**.

A 20% lighter version of the original color is **34.7580, 53.2488, 42.1643**, and **5.9963, 10.6450, 6.1535** is the 20% darker color. If you saturate the color by 10%, you get **15.1587, 25.9012, 18.6673**, and if you desaturate by 10%, it is **15.6482, 26.1215, 20.1374**.

Distribution



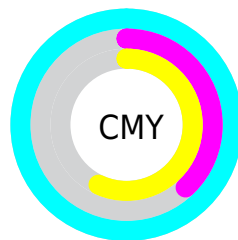
- Red (0%)
- Green (62%)
- Blue (43%)



- Red (0%)
- Yellow (37%)
- 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 15.1585, 25.9004, 18.6683 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 15.1585, 25.9004, 18.6683 by changing the saturation by 10% instead.

■ 15.1585, 25.9004,
18.6683

■ 15.1585, 25.9004,
18.6683

217.6930,
282.2928, 256.9728

■ 9.0177, 16.7491,
11.2565

■ 34.7004, 53.1142,
42.0021

■ 4.8100, 10.0558,
6.1233

■ 48.8322, 71.9456,
58.7611

■ 2.1698, 5.4360,
2.8502

■ 66.3584, 94.7724,
79.4729

■ 0.7267, 2.5053,
1.0187

■ 87.6444, 121.9792,
104.5560

■ 0.0000, 0.8793,
0.0000

■ 113.0555,
153.9502, 134.4290

■ 0.0000, 0.0000,
0.0000

■ 142.9571,

191.0698, 169.5105

177.7144,
233.7226, 210.2189

■ 15.1585, 25.9004,
18.6683

■ 15.1585, 25.9004,
18.6683

■ 15.1587, 25.9012,
18.6673

■ 15.6482, 26.1215,
20.1374

■ 16.3185, 26.4333,
21.6957

■ 17.2426, 26.8740,
23.3483

■ 18.4509, 27.4595,
25.0980

■ 19.9697, 28.2031,
26.9472

■ 21.8221, 29.1168,
28.8981

■ 24.0289, 30.2112,
30.9529

■ 26.6090, 31.4962,
33.1135

■ 29.5803, 32.9808,
35.3819

Harmonies

Analogous

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



17.7343, 25.9004, 9.7636



15.1585, 25.9004, 18.6683



14.8559, 25.9004, 35.0630

Triad

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



15.1585, 25.9004, 18.6683



26.9095, 25.9004, 75.3077



34.5052, 25.9004, 11.4793

Complementary

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



15.1585, 25.9004, 18.6683



14.8749, 7.6020, 3.7030

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.



37.9254, 25.9004, 22.2986



15.1585, 25.9004, 18.6683



33.0848, 25.9004, 61.6469

Square

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



15.1585, 25.9004, 18.6683



21.0139, 25.9004, 73.0110



37.3667, 25.9004, 40.5269



28.6113, 25.9004, 6.9475

Rectangle

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



15.1585, 25.9004, 18.6683



15.9162, 25.9004, 49.1274



37.3667, 25.9004, 40.5269



36.0228, 25.9004, 14.2642

Sweetspot

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



15.1592, 25.9014, 18.6689



42.7843, 53.9805, 55.2128



13.7320, 25.4846, 4.1958



9.2777, 11.9871, 12.1141



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.



15.1592, 25.9014, 18.6689



27.0557, 46.3486, 32.9501



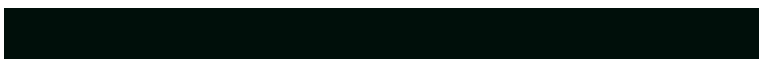
14.2218, 18.4302, 35.6099



6.7330, 7.4739, 8.0285



11.9918, 20.4647, 14.8459



0.2326, 0.3732, 0.3611

Inverse Universe

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



14.8749, 7.6020, 3.7030



26.5596, 13.5819, 6.2167



14.7421, 8.2580, 0.8175



6.7147, 6.6788, 7.3488



11.7650, 6.0106, 3.0137



0.2283, 0.1146, 0.1483

Previews

White Background



This preview shows how the XYZ color 15.1585, 25.9004, 18.6683 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 15.1585, 25.9004, 18.6683 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

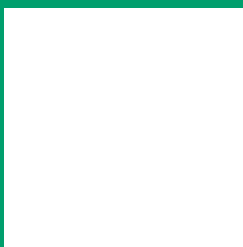
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1585, 25.9004, 18.6683

Background



This preview shows how black text looks on a background with the XYZ color 15.1585, 25.9004, 18.6683.



This preview shows how white text looks on a background with the XYZ color 15.1585, 25.9004,

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

15.1585, 25.9004, 18.6683

Protanopia

23.7832, 25.4866, 15.7225

Deuteranopia

25.9792, 25.4864, 19.7698



Tritanopia

19.4504, 25.9211, 39.1001

Trichromacy



Original Color

15.1585, 25.9004, 18.6683



Protanomaly

17.4464, 23.9699, 16.5391



Deuteranomaly

18.1331, 23.3630, 19.1766



Tritanomaly

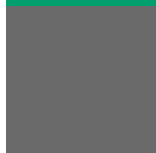
17.4151, 25.7964, 30.4469

Monochromacy



Original Color

15.1585, 25.9004, 18.6683



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.3022, 16.9221, 16.5278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1585, 25.9004, 18.6683 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 109) }
```

Border

The CSS property to change the border of an element to XYZ 15.1585, 25.9004, 18.6683 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, 109) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1585, 25.9004, 18.6683 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, 109) }
```

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

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