

# Converting Colors

XYZ(13.9962, 25.1892, 20.4349)

Have a look what the booklet for  
XYZ(13.9962, 25.1892, 20.4349)  
contains.

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# Color

**XYZ(15.4926, 26.0341,  
20.4282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009F73
RGB	0, 159, 115
RGB Percent	0%, 62%, 45%
CMY	1.0000, 0.3765, 0.5490
CMYK	1.00, 0.00, 0.28, 0.38
HSL	163°, 100%, 31%
HSV	163°, 100%, 62%
XYZ	15.4926, 26.0341, 20.4282
YIQ	106.4430, -80.6400, -47.3920

# Conversions

## Conversions Part 2

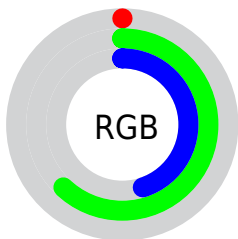
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 92, 159
Decimal	40819
CIELab	58.07, -46.14, 13.21
CIELCh	58, 47.991, 164.022
Yxy	26.0341, 0.2501, 0.4202
Android (android.graphics.Color)	4278230899 (0xFF009F73)
YUV	106.4430, 4.2186, -93.3505
Hunter-Lab	51.0236, -35.0923, 11.9787

# Details

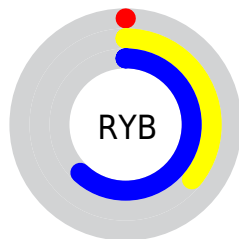
The XYZ color **15.4926, 26.0341, 20.4282** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.7535, 7.5533, 3.0640**, and the grayscale version is **13.8268, 14.5469, 15.8415**.

A 20% lighter version of the original color is **35.3953, 53.5147, 45.0231**, and **6.1672, 10.7133, 7.0530** is the 20% darker color. If you saturate the color by 10%, you get **15.4931, 26.0350, 20.4283**, and if you desaturate by 10%, it is **15.9647, 26.2482, 21.8045**.

# Distribution



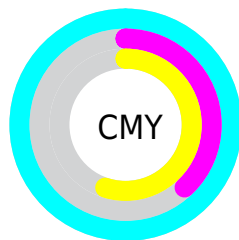
- Red (0%)
- Green (62%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4926, 26.0341, 20.4282 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 15.4926, 26.0341, 20.4282 by changing the saturation by 10% instead.




 15.4926, 26.0341,  
20.4282

 15.4926, 26.0341,  
20.4282


219.6585,  
282.9494, 266.9044


 9.2544, 16.8492,  
12.5195


 35.2797, 53.3300,  
45.0023


 4.9659, 10.1270,  
6.9717


 49.5592, 72.2096,  
62.5048


 2.2618, 5.4832,  
3.3662

 67.2500, 95.0897,  
84.0424

 0.7750, 2.5335,  
1.2845

 88.7172, 122.3545,  
110.0335

 0.0000, 0.8934,  
0.0491

 114.3263,  
154.3885, 140.8967

 0.0000, 0.0000,  
0.0000

 144.4427,

191.5761, 177.0505

179.4316,  
234.3016, 218.9136

■ 15.4926, 26.0341,  
20.4282

■ 15.4926, 26.0341,  
20.4282

■ 15.4931, 26.0350,  
20.4283

■ 15.9647, 26.2482,  
21.8045

■ 16.6139, 26.5515,  
23.2525

■ 17.5134, 26.9824,  
24.7771

■ 18.6938, 27.5566,  
26.3804

■ 20.1811, 28.2876,  
28.0645

■ 21.9983, 29.1872,  
29.8312

■ 24.1661, 30.2660,  
31.6824

■ 26.7036, 31.5339,  
33.6196

■ 29.6284, 32.9999,  
35.6444

# Harmonies

## Analogous

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



17.7719, 26.0341, 11.0171



15.4926, 26.0341, 20.4282



15.4205, 26.0341, 36.8161

# Triad

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



15.4926, 26.0341, 20.4282



27.5479, 26.0341, 72.0307



33.6672, 26.0341, 11.4332

# Complementary

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



15.4926, 26.0341, 20.4282



14.7535, 7.5533, 3.0640

# 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.



37.2265, 26.0341, 21.2873



15.4926, 26.0341, 20.4282



33.3374, 26.0341, 58.0960

# Square

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



15.4926, 26.0341, 20.4282



21.7983, 26.0341, 71.5060



37.0972, 26.0341, 38.0853



27.9452, 26.0341, 7.3865



# Rectangle

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



15.4926, 26.0341, 20.4282



16.6004, 26.0341, 50.2503



37.0972, 26.0341, 38.0853



35.1934, 26.0341, 13.9622

# Sweetspot

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



15.4933, 26.0351, 20.4288



43.0370, 54.0816, 56.5435



13.4833, 25.3564, 4.1838



9.3410, 12.0125, 12.4475



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.



15.4933, 26.0351, 20.4288



27.6598, 46.5903, 36.1316



13.5356, 17.0578, 35.3813



6.7435, 7.4781, 8.0837



12.2548, 20.5698, 16.2305



0.2359, 0.3745, 0.3785



# Inverse Universe

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



14.7535, 7.5533, 3.0640



26.3491, 13.4977, 5.1086



14.8838, 8.5415, 0.8644



6.7047, 6.6748, 7.2963



11.6680, 5.9718, 2.5026



0.2251, 0.1134, 0.1316



# Previews

## White Background



This preview shows how the XYZ color 15.4926, 26.0341, 20.4282 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 15.4926, 26.0341, 20.4282 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 15.4926, 26.0341, 20.4282**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.4926, 26.0341, 20.4282.



This preview shows how white text looks on a background with the XYZ color 15.4926, 26.0341,



# 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

15.4926, 26.0341, 20.4282

### Protanopia

23.9952, 25.7811, 17.0762

### Deuteranopia

26.2744, 25.8016, 21.6846



## Tritanopia

19.5989, 26.2291, 39.6271

# Trichromacy



## Original Color

15.4926, 26.0341, 20.4282



## Protanomaly

17.6553, 24.0416, 18.1780



## Deuteranomaly

18.5191, 23.7435, 21.0597



## Tritanomaly

17.6150, 25.8726, 31.6693

# Monochromacy



## Original Color

15.4926, 26.0341, 20.4282



## Achromatopsia

13.6994, 14.4128, 15.6956



## Achromatomaly

12.4087, 16.9646, 17.0885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.4926, 26.0341, 20.4282 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 15.4926, 26.0341, 20.4282 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, 115) }
```



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

```
.border{ border-color:rgb(0, 159, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.4926, 26.0341, 20.4282 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, 115) }
```

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

```
.background{ background-color: rgb(0, 159,  
115) }
```

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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