

Converting Colors

XYZ(16.1323, 27.5076, 19.4839)

Have a look what the booklet for
XYZ(16.1323, 27.5076, 19.4839)
contains.

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Color

**XYZ(16.0791, 27.4002,
19.4802)**

Conversions

Conversions Part 1

Format	Color
Hex	09A36F
RGB	9, 163, 111
RGB Percent	4%, 64%, 44%
CMY	0.9647, 0.3608, 0.5647
CMYK	0.94, 0.00, 0.32, 0.36
HSL	160°, 90%, 34%
HSV	160°, 94%, 64%
XYZ	16.0791, 27.4002, 19.4802
YIQ	111.0260, -75.0920, -48.8200

Conversions

Conversions Part 2

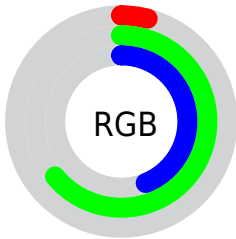
Format	Color
RYB	9, 102, 163
Decimal	631663
CIELab	59.34, -48.22, 17.21
CIELCh	59, 51.200, 160.364
Yxy	27.4002, 0.2554, 0.4352
Android (android.graphics.Color)	4278821743 (0xFF09A36F)
YUV	111.0260, -0.0128, -89.4768
Hunter-Lab	52.3452, -36.7735, 14.5769

Details

The XYZ color **16.0791, 27.4002, 19.4802** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.0453, 8.3195, 5.1768**, and the grayscale version is **15.1340, 15.9221, 17.3392**.

A 20% lighter version of the original color is **36.3560, 55.5827, 43.4627**, and **6.4731, 11.5107, 6.5833** is the 20% darker color. If you saturate the color by 10%, you get **15.8023, 27.2772, 18.6079**, and if you desaturate by 10%, it is **16.6882, 27.6788, 21.1407**.

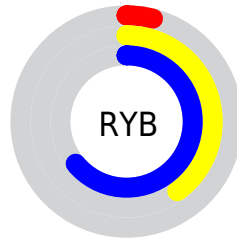
Distribution



Red (4%)

Green (64%)

Blue (44%)



Red (4%)

Yellow (40%)

Blue (64%)

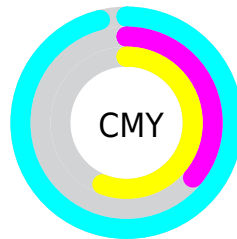


Cyan (94%)

Magenta (0%)

Yellow (32%)

Black (36%)



Cyan (96%)

Magenta (36%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0791, 27.4002, 19.4802 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 16.0791, 27.4002, 19.4802 by changing the saturation by 10% instead.

■ 16.0791, 27.4002,
19.4802

■ 16.0791, 27.4002,
19.4802

223.0692,
289.5896, 261.5976

■ 9.6713, 17.8740,
11.8375

■ 36.2918, 55.5254,
43.3914

■ 5.2422, 10.8596,
6.5119

■ 50.8275, 74.8932,
60.4970

■ 2.4263, 5.9725,
3.0850

■ 68.8032, 98.3103,
81.5939

■ 0.8582, 2.8284,
1.1382

■ 90.5842, 126.1612,
107.1007

■ 0.0000, 1.0428,
0.0000

■ 116.5360,
158.8301, 137.4359

■ 0.0000, 0.0000,
0.0000

■ 147.0239,

196.7016, 173.0181

182.4131,
240.1600, 214.2658

■ 16.0791, 27.4002,
19.4802

■ 16.0791, 27.4002,
19.4802

■ 15.8023, 27.2772,
18.6079

■ 16.6882, 27.6788,
21.1407

■ 17.5502, 28.0849,
22.9117

■ 18.7019, 28.6381,
24.7970

■ 20.1731, 29.3537,
26.7999

■ 21.9897, 30.2450,
28.9229

■ 24.1748, 31.3241,
31.1688

■ 26.7497, 32.6017,
33.5401

■ 29.7339, 34.0878,
36.0391

■ 33.1453, 35.7919,
38.6682

Harmonies

Analogous

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



18.8525, 27.4002, 10.2191



16.0791, 27.4002, 19.4802



15.7083, 27.4002, 36.6409

Triad

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



16.0791, 27.4002, 19.4802



28.3224, 27.4002, 79.7289



36.6012, 27.4002, 12.3231

Complementary

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



16.0791, 27.4002, 19.4802



16.0453, 8.3195, 5.1768

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.



40.1361, 27.4002, 23.9273



16.0791, 27.4002, 19.4802



34.8627, 27.4002, 65.5940

Square

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



16.0791, 27.4002, 19.4802



22.1191, 27.4002, 76.9200



39.4524, 27.4002, 43.3285



30.4056, 27.4002, 7.4165

Rectangle

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



16.0791, 27.4002, 19.4802



16.7951, 27.4002, 51.4550



39.4524, 27.4002, 43.3285



38.1826, 27.4002, 15.3189

Sweetspot

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



16.0798, 27.4013, 19.4808



45.9521, 57.4148, 58.3193



15.1911, 27.2689, 4.7215



9.9003, 12.6867, 12.7066



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.0798, 27.4013, 19.4808



28.2028, 48.8109, 32.8148



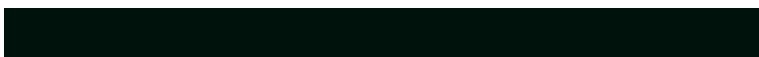
16.0880, 21.4308, 37.9403



7.1740, 7.9704, 8.5278



12.3026, 21.2074, 14.5759



0.2792, 0.4539, 0.4150

Inverse Universe

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



16.0453, 8.3195, 5.1768



28.2031, 14.4061, 7.3352



15.6737, 8.8455, 1.1400



7.1679, 7.1236, 7.8704



12.2950, 6.2740, 3.4779



0.2797, 0.1404, 0.1854

Previews

White Background



This preview shows how the XYZ color 16.0791, 27.4002, 19.4802 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 16.0791, 27.4002, 19.4802 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 16.0791, 27.4002, 19.4802

Background



This preview shows how black text looks on a background with the XYZ color 16.0791, 27.4002, 19.4802.



This preview shows how white text looks on a background with the XYZ color 16.0791, 27.4002,

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

16.0791, 27.4002, 19.4802

Protanopia

25.2081, 27.0776, 16.4683

Deuteranopia

27.3249, 26.7852, 20.5595



Tritanopia

20.5872, 27.4448, 41.2581

Trichromacy



Original Color

16.0791, 27.4002, 19.4802



Protanomaly

18.8230, 25.5993, 17.3137



Deuteranomaly

19.5577, 24.9837, 20.0112



Tritanomaly

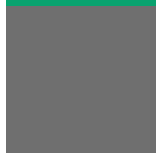
18.5013, 27.3342, 31.9047

Monochromacy



Original Color

16.0791, 27.4002, 19.4802



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.6759, 18.5688, 17.9023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0791, 27.4002, 19.4802 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(9, 163, 111)` looks like.

```
.text, #text, p{  
    color:rgb(9, 163, 111)  
}
```

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(9, 163, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 163, 111) }
```

Border

The CSS property to change the border of an element to XYZ 16.0791, 27.4002, 19.4802 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(9, 163, 111) }
```


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

```
.border{ border-color:rgb(9, 163, 111) }
```

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

Here you see how a box with a 4 pixel rgb(9, 163, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 163, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 163, 111);  
box-shadow:4px 4px 4px 4px rgb(9, 163,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0791, 27.4002, 19.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 163, 111) }
```

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

```
.background{ background-color: rgb(9, 163,  
111) }
```

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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