

Converting Colors

XYZ(9.1421, 16.7254, 7.8532)

Have a look what the booklet for
XYZ(9.1421, 16.7254, 7.8532)
contains.

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Color

**XYZ(9.0997, 16.6259,
7.8838)**

Conversions

Conversions Part 1

Format	Color
Hex	008342
RGB	0, 131, 66
RGB Percent	0%, 51%, 26%
CMY	1.0000, 0.4863, 0.7412
CMYK	1.00, 0.00, 0.50, 0.49
HSL	150°, 100%, 26%
HSV	150°, 100%, 51%
XYZ	9.0997, 16.6259, 7.8838
YIQ	84.4210, -57.2110, -47.9870

Conversions

Conversions Part 2

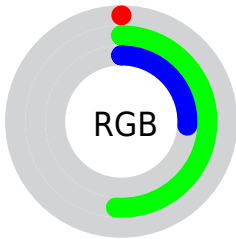
Format	Color
RYB	0, 87, 131
Decimal	33602
CIELab	47.79, -46.20, 26.61
CIELCh	48, 53.319, 150.055
Yxy	16.6259, 0.2707, 0.4947
Android (android.graphics.Color)	4278223682 (0xFF008342)
YUV	84.4210, -9.0816, -74.0372
Hunter-Lab	40.7749, -31.5203, 17.0787

Details

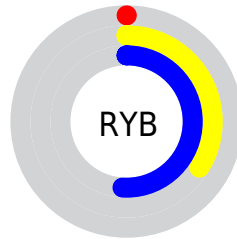
The XYZ color **9.0997, 16.6259, 7.8838** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.3149, 5.2074, 5.4640**, and the grayscale version is **8.5415, 8.9863, 9.7861**.

A 20% lighter version of the original color is **23.7517, 37.6412, 22.2333**, and **2.9949, 5.7878, 1.6211** is the 20% darker color. If you saturate the color by 10%, you get **9.0999, 16.6265, 7.8834**, and if you desaturate by 10%, it is **9.4703, 16.7940, 8.9596**.

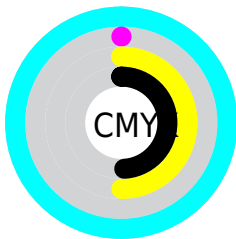
Distribution



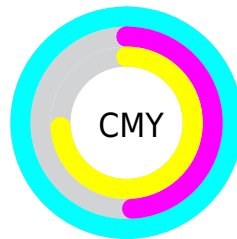
- Red (0%)
- Green (51%)
- Blue (26%)



- Red (0%)
- Yellow (34%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.0997, 16.6259, 7.8838 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 9.0997, 16.6259, 7.8838 by changing the saturation by 10% instead.


 9.0997, 16.6259,
7.8838


 9.0997, 16.6259,
7.8838


178.3113,
233.0072, 184.7182


 4.8639, 9.9681,
3.9340


 23.7531, 37.6814,
22.2727


 2.2016, 5.3778,
1.5892

 34.9014, 52.8480,
33.5489


 0.7436, 2.4706,
0.2831

 49.0846, 71.6196,
48.1043

 0.0000, 0.8619,
0.0000

 66.6680, 94.3807,
66.3574

 0.0000, 0.0000,
0.0000

 88.0171, 121.5156,
88.7268

 113.4970,

153.4087, 115.6311

143.4733,
190.4444, 147.4887

■ 9.0997, 16.6259,
7.8838

■ 9.0997, 16.6259,
7.8838

■ 9.0999, 16.6265,
7.8834

■ 9.4703, 16.7940,
8.9596

■ 9.9593, 17.0201,
10.1580

■ 10.6248, 17.3345,
11.4855

■ 11.4859, 17.7469,
12.9462

■ 12.5590, 18.2659,
14.5443

■ 13.8588, 18.8988,
16.2833

■ 15.3985, 19.6525,
18.1669

■ 17.1905, 20.5331,
20.1986

■ 19.2460, 21.5466,
22.3816

Harmonies

Analogous

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



11.6306, 16.6259, 3.5387



9.0997, 16.6259, 7.8838



8.2764, 16.6259, 18.1281

Triad

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



9.0997, 16.6259, 7.8838



15.8113, 16.6259, 59.2616



25.1705, 16.6259, 7.8586

Complementary

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



9.0997, 16.6259, 7.8838



10.3149, 5.2074, 5.4640

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.



26.8944, 16.6259, 18.0775



9.0997, 16.6259, 7.8838



20.8686, 16.6259, 51.7940

Square

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



9.0997, 16.6259, 7.8838



11.6431, 16.6259, 51.8451



25.1825, 16.6259, 34.6833



20.8502, 16.6259, 3.5301

Rectangle

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



9.0997, 16.6259, 7.8838



8.6439, 16.6259, 28.7164



25.1825, 16.6259, 34.6833



26.1075, 16.6259, 10.4915

Sweetspot

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



9.1001, 16.6266, 7.8842



27.3673, 35.0906, 32.2876



10.3302, 17.3743, 2.8094



6.1305, 8.0516, 7.2280



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



9.1001, 16.6266, 7.8842



16.2172, 29.7422, 13.7054



12.2136, 17.8719, 24.2794



4.7069, 5.2410, 5.4676



8.9585, 16.3662, 7.7668



0.0347, 0.0582, 0.0463

Inverse Universe

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



10.3149, 5.2074, 5.4640



18.3928, 9.2934, 9.3725



9.3605, 4.8257, 0.4384



4.7617, 4.7244, 5.3577



10.1542, 5.1260, 5.3845



0.0389, 0.0192, 0.0380

Previews

White Background



This preview shows how the XYZ color 9.0997, 16.6259, 7.8838 looks on a white background.

Color Contrast Check

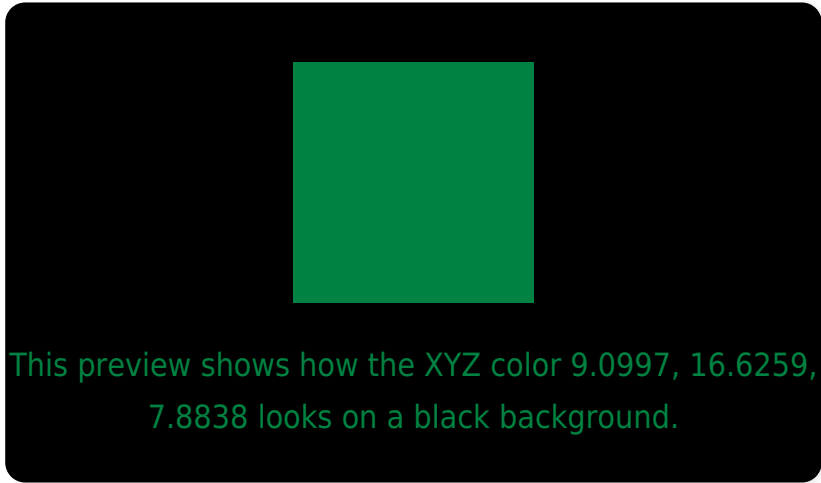
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.0997, 16.6259, 7.8838

Background



This preview shows how black text looks on a background with the XYZ color 9.0997, 16.6259, 7.8838.



This preview shows how white text looks on a background with the XYZ color 9.0997, 16.6259,

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

9.0997, 16.6259, 7.8838

Protanopia

15.1782, 16.4965, 6.6591

Deuteranopia

16.6856, 16.4272, 8.4222



Tritanopia

12.8261, 16.8146, 25.1238

Trichromacy



Original Color

9.0997, 16.6259, 7.8838



Protanomaly

10.8942, 15.4862, 6.9724



Deuteranomaly

11.2814, 14.9592, 8.0872



Tritanomaly

10.9454, 16.5899, 17.0933

Monochromacy



Original Color

9.0997, 16.6259, 7.8838



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.4614, 10.6001, 8.6739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0997, 16.6259, 7.8838 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, 131, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 66)  
}
```

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, 131, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 66) }
```

Border

The CSS property to change the border of an element to XYZ 9.0997, 16.6259, 7.8838 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, 131, 66) }
```


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

```
.border{ border-color:rgb(0, 131, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.0997, 16.6259, 7.8838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 66) }
```

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

```
.background{ background-color: rgb(0, 131,  
66) }
```

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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