

Converting Colors

XYZ(9.0453, 17.6419, 8.8468)

Have a look what the booklet for
XYZ(9.0453, 17.6419, 8.8468)
contains.

XYZ(9.9415, 18.0633, 8.9238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.9415, 18.0633,
8.9238)**

Conversions

Conversions Part 1

Format	Color
Hex	008847
RGB	0, 136, 71
RGB Percent	0%, 53%, 28%
CMY	1.0000, 0.4667, 0.7216
CMYK	1.00, 0.00, 0.48, 0.47
HSL	151°, 100%, 27%
HSV	151°, 100%, 53%
XYZ	9.9415, 18.0633, 8.9238
YIQ	87.9260, -60.1910, -49.0470

Conversions

Conversions Part 2

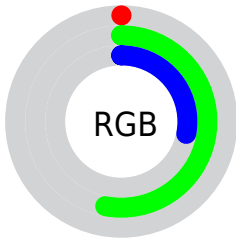
Format	Color
RYB	0, 89, 136
Decimal	34887
CIELab	49.57, -47.06, 26.18
CIElCh	50, 53.853, 150.911
Yxy	18.0633, 0.2692, 0.4891
Android (android.graphics.Color)	4278224967 (0xFF008847)
YUV	87.9260, -8.3445, -77.1111
Hunter-Lab	42.5009, -32.6233, 17.3017

Details

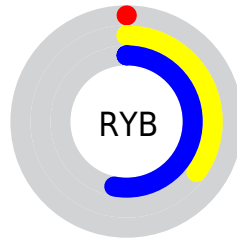
The XYZ color **9.9415, 18.0633, 8.9238** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.1081, 5.6162, 5.5003**, and the grayscale version is **9.2872, 9.7709, 10.6405**.

A 20% lighter version of the original color is **25.1970, 39.9323, 24.1490**, and **3.4240, 6.5672, 2.0068** is the 20% darker color. If you saturate the color by 10%, you get **9.9419, 18.0640, 8.9239**, and if you desaturate by 10%, it is **10.3369, 18.2422, 10.0907**.

Distribution



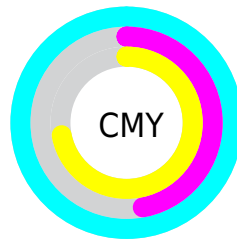
- Red (0%)
- Green (53%)
- Blue (28%)



- Red (0%)
- Yellow (35%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9415, 18.0633, 8.9238 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 9.9415, 18.0633, 8.9238 by changing the saturation by 10% instead.


 9.9415, 18.0633,
8.9238


 9.9415, 18.0633,
8.9238


184.3164,
241.2276, 193.0055


 5.4222, 10.9954,
4.5954


 25.3361, 40.1452,
24.3259


 2.5343, 6.0638,
1.9573


 36.9420, 55.9279,
36.2367


 0.9126, 2.8839,
0.5288

 51.6409, 75.3845,
51.5120

 0.0000, 1.0714,
0.0000

 69.7980, 98.8992,
70.5704

 0.0000, 0.0000,
0.0000

 91.7788, 126.8565,
93.8304

 117.9485,

159.6407, 121.7106

148.6726,
197.6363, 154.6294

■ 9.9415, 18.0633,
8.9238

■ 9.9415, 18.0633,
8.9238

■ 9.9419, 18.0640,
8.9239

■ 10.3369, 18.2422,
10.0907

■ 10.8623, 18.4850,
11.3834

■ 11.5781, 18.8232,
12.8084

■ 12.5055, 19.2677,
14.3699

■ 13.6623, 19.8276,
16.0718

■ 15.0646, 20.5111,
17.9178

■ 16.7270, 21.3257,
19.9116

■ 18.6627, 22.2781,
22.0566

■ 20.8842, 23.3748,
24.3561

Harmonies

Analogous

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



12.6047, 18.0633, 4.0665



9.9415, 18.0633, 8.9238



9.1069, 18.0633, 20.1179

Triad

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



9.9415, 18.0633, 8.9238



17.3250, 18.0633, 63.2789



27.0398, 18.0633, 8.4748

Complementary

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



9.9415, 18.0633, 8.9238



11.1081, 5.6162, 5.5003

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.



28.9691, 18.0633, 19.2246



9.9415, 18.0633, 8.9238



22.7194, 18.0633, 54.9788

Square

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



9.9415, 18.0633, 8.9238



12.8258, 18.0633, 55.8699



27.2515, 18.0633, 36.7407



22.3954, 18.0633, 3.9123

Rectangle

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



9.9415, 18.0633, 8.9238



9.5362, 18.0633, 31.5010



27.2515, 18.0633, 36.7407



28.0643, 18.0633, 11.2455

Sweetspot

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



9.9420, 18.0640, 8.9242



29.2708, 37.4795, 34.8511



11.0336, 18.7582, 3.0393



6.5199, 8.5528, 7.7670



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.9420, 18.0640, 8.9242



17.4409, 31.8012, 15.3109



12.9328, 18.7550, 26.2320



5.0737, 5.6490, 5.9093



9.4140, 17.0982, 8.4708



0.0699, 0.1165, 0.0953

Inverse Universe

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



11.1081, 5.6162, 5.5003



19.4972, 9.8659, 9.2839



10.1784, 5.2838, 0.4835



5.1259, 5.0858, 5.7514



10.5176, 5.3172, 5.2300



0.0772, 0.0383, 0.0733

Previews

White Background



This preview shows how the XYZ color 9.9415, 18.0633, 8.9238 looks on a white background.

Color Contrast Check

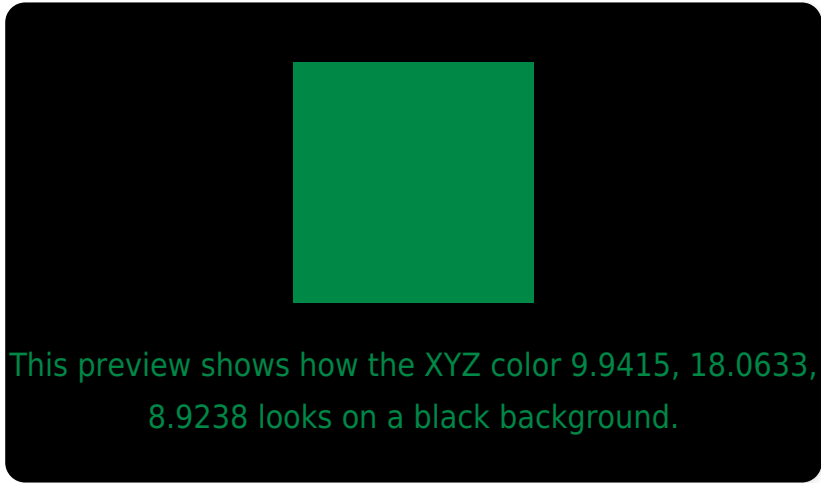
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

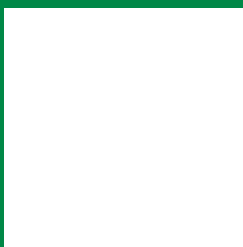
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9415, 18.0633, 8.9238

Background



This preview shows how black text looks on a background with the XYZ color 9.9415, 18.0633, 8.9238.



This preview shows how white text looks on a background with the XYZ color 9.9415, 18.0633,

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

9.9415, 18.0633, 8.9238

Protanopia

16.3400, 17.7599, 7.4173

Deuteranopia

18.1182, 17.7869, 9.4995



Tritanopia

13.7955, 18.0325, 27.1796

Trichromacy



Original Color

9.9415, 18.0633, 8.9238



Protanomaly

11.7004, 16.6144, 7.9004



Deuteranomaly

12.3238, 16.3564, 9.1642



Tritanomaly

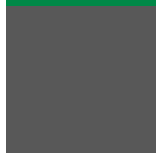
11.7808, 17.7708, 18.7288

Monochromacy



Original Color

9.9415, 18.0633, 8.9238



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.2055, 11.5531, 9.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9415, 18.0633, 8.9238 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, 136, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 71)  
}
```

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, 136, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 71) }
```

Border

The CSS property to change the border of an element to XYZ 9.9415, 18.0633, 8.9238 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, 136, 71) }
```


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

```
.border{ border-color:rgb(0, 136, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9415, 18.0633, 8.9238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 71) }
```

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

```
.background{ background-color: rgb(0, 136,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor