

Converting Colors

XYZ(8.7727, 18.6828, 4.8294)

Have a look what the booklet for
XYZ(8.7727, 18.6828, 4.8294)
contains.

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Color

**XYZ(9.8433, 19.1771,
4.8518)**

Conversions

Conversions Part 1

Format	Color
Hex	008D24
RGB	0, 141, 36
RGB Percent	0%, 55%, 14%
CMY	1.0000, 0.4470, 0.8588
CMYK	1.00, 0.00, 0.74, 0.45
HSL	135°, 100%, 28%
HSV	135°, 100%, 55%
XYZ	9.8433, 19.1771, 4.8518
YIQ	86.8710, -50.3310, -62.5470

Conversions

Conversions Part 2

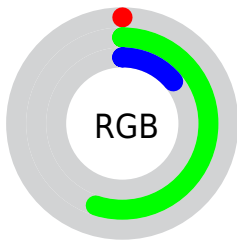
Format	Color
RYB	0, 112, 141
Decimal	36132
CIELab	50.89, -53.53, 44.43
CIELCh	51, 69.567, 140.309
Yxy	19.1771, 0.2906, 0.5662
Android (android.graphics.Color)	4278226212 (0xFF008D24)
YUV	86.8710, -25.0794, -76.1859
Hunter-Lab	43.7917, -36.5130, 24.0853

Details

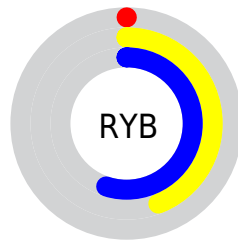
The XYZ color **9.8433, 19.1771, 4.8518** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.5348, 6.6829, 13.9413**, and the grayscale version is **9.0918, 9.5653, 10.4166**.

A 20% lighter version of the original color is **25.1575, 42.0693, 16.0268**, and **3.5724, 7.1448, 1.1908** is the 20% darker color. If you saturate the color by 10%, you get **9.8437, 19.1779, 4.8521**, and if you desaturate by 10%, it is **10.2111, 19.3459, 5.8331**.

Distribution



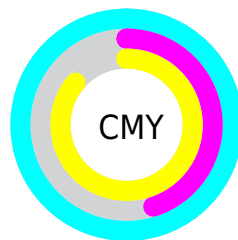
- Red (0%)
- Green (55%)
- Blue (14%)



- Red (0%)
- Yellow (44%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8433, 19.1771, 4.8518 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 9.8433, 19.1771, 4.8518 by changing the saturation by 10% instead.


 9.8433, 19.1771,
4.8518


 9.8433, 19.1771,
4.8518


183.6271,
247.4247, 157.2687


 5.3567, 11.7983,
2.1034


 25.1527, 42.0331,
15.9310


 2.4949, 6.6065,
0.6178


 36.7062, 58.2792,
25.0988


 0.8927, 3.2173,
0.0000

 51.3460, 78.2498,
37.2434

 0.0000, 1.2462,
0.0000

 69.4374, 102.3293,
52.7835

 0.0000, 0.0989,
0.0000

 91.3459, 130.9022,
72.1375

 0.0000, 0.0000,
0.0000

 117.4368,

164.3528, 95.7241

148.0754,
203.0655, 123.9616

■ 9.8433, 19.1771,
4.8518

■ 9.8433, 19.1771,
4.8518

■ 9.8437, 19.1779,
4.8521

■ 10.2111, 19.3459,
5.8331

■ 10.7483, 19.5957,
7.0872

■ 11.5208, 19.9604,
8.6353

■ 12.5540, 20.4530,
10.4946

■ 13.8699, 21.0843,
12.6809

■ 15.4879, 21.8642,
15.2092

■ 17.4260, 22.8015,
18.0932

■ 19.7005, 23.9043,
21.3462

■ 22.3265, 25.1804,
24.9804

Harmonies

Analogous

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



14.0209, 19.1771, 1.7107



9.8433, 19.1771, 4.8518



8.0701, 19.1771, 15.1441

Triad

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



9.8433, 19.1771, 4.8518



16.0954, 19.1771, 84.6596



33.6111, 19.1771, 10.3203

Complementary

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



9.8433, 19.1771, 4.8518



13.5348, 6.6829, 13.9413

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.



34.5703, 19.1771, 27.9087



9.8433, 19.1771, 4.8518



23.2005, 19.1771, 80.1410

Square

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



9.8433, 19.1771, 4.8518



11.0331, 19.1771, 65.5386



30.3809, 19.1771, 55.5008



28.0181, 19.1771, 3.2128

Rectangle

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



9.8433, 19.1771, 4.8518



8.0845, 19.1771, 28.3985



30.3809, 19.1771, 55.5008



34.5325, 19.1771, 14.8225

Sweetspot

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



9.8438, 19.1779, 4.8522



30.9645, 40.7152, 32.0484



15.4397, 22.0995, 3.4519



6.6176, 8.9495, 6.7188



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



9.8438, 19.1779, 4.8522



17.5682, 34.3193, 8.3749



12.1139, 20.0860, 16.8067



5.3959, 6.0506, 6.0506



8.9810, 17.4883, 4.4543



0.0937, 0.1703, 0.0840

Inverse Universe

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



13.5348, 6.6829, 13.9413



24.1669, 11.9392, 24.5930



11.2921, 5.7858, 2.1314



5.5682, 5.4878, 6.4904



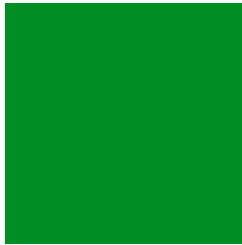
12.3473, 6.0959, 12.7460



0.1270, 0.0618, 0.1688

Previews

White Background



This preview shows how the XYZ color 9.8433, 19.1771, 4.8518 looks on a white background.

Color Contrast Check

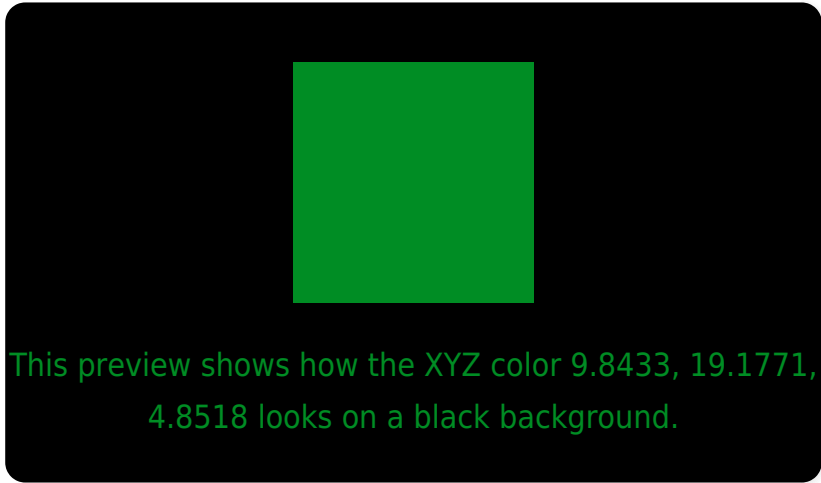
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 9.8433, 19.1771, 4.8518

Background



This preview shows how black text looks on a background with the XYZ color 9.8433, 19.1771, 4.8518.



This preview shows how white text looks on a background with the XYZ color 9.8433, 19.1771,

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

9.8433, 19.1771, 4.8518

Protanopia

17.2380, 19.0079, 4.0567

Deuteranopia

19.2016, 18.9428, 5.2291



Tritanopia

14.7437, 19.0851, 28.4979

Trichromacy



Original Color

9.8433, 19.1771, 4.8518



Protanomaly

11.9242, 17.5744, 4.2026



Deuteranomaly

12.3449, 17.0154, 4.8241



Tritanomaly

11.8751, 18.7005, 15.8156

Monochromacy



Original Color

9.8433, 19.1771, 4.8518



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

7.8766, 11.7450, 7.3207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8433, 19.1771, 4.8518 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, 141, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 36)  
}
```

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, 141, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 36) }
```

Border

The CSS property to change the border of an element to XYZ 9.8433, 19.1771, 4.8518 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, 141, 36) }
```


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

```
.border{ border-color:rgb(0, 141, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8433, 19.1771, 4.8518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 36) }
```

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

```
.background{ background-color: rgb(0, 141,  
36) }
```

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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