

Converting Colors

XYZ(9.3750, 18.2228, 4.7502)

Have a look what the booklet for
XYZ(9.3750, 18.2228, 4.7502)
contains.

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Color

**XYZ(9.4224, 18.3105,
4.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	008A25
RGB	0, 138, 37
RGB Percent	0%, 54%, 15%
CMY	1.0000, 0.4588, 0.8549
CMYK	1.00, 0.00, 0.73, 0.46
HSL	136°, 100%, 27%
HSV	136°, 100%, 54%
XYZ	9.4224, 18.3105, 4.7879
YIQ	85.2240, -49.8270, -60.6670

Conversions

Conversions Part 2

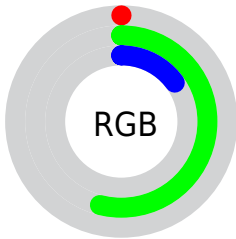
Format	Color
RYB	0, 109, 138
Decimal	35365
CIELab	49.87, -52.52, 42.98
CIELCh	50, 67.861, 140.705
Yxy	18.3105, 0.2897, 0.5630
Android (android.graphics.Color)	4278225445 (0xFF008A25)
YUV	85.2240, -23.7744, -74.7414
Hunter-Lab	42.7908, -35.5787, 23.3195

Details

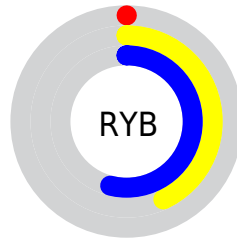
The XYZ color **9.4224, 18.3105, 4.7879** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.8307, 6.3432, 12.8605**, and the grayscale version is **8.7379, 9.1930, 10.0112**.

A 20% lighter version of the original color is **24.3987, 40.6835, 15.7993**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.4228, 18.3112, 4.7882**, and if you desaturate by 10%, it is **9.7821, 18.4755, 5.7508**.

Distribution



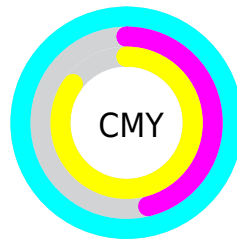
- Red (0%)
- Green (54%)
- Blue (15%)



- Red (0%)
- Yellow (43%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.4224, 18.3105, 4.7879 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 9.4224, 18.3105, 4.7879 by changing the saturation by 10% instead.


 9.4224, 18.3105,
4.7879


 9.4224, 18.3105,
4.7879


180.6396,
242.6154, 156.6171


 5.0770, 11.1731,
2.0668


 24.3629, 40.5657,
15.7896


 2.3277, 6.1834,
0.5959

 35.6888, 56.4523,
24.9073


 0.8088, 2.9569,
0.0000

 50.0722, 76.0242,
36.9942

 0.0000, 1.1093,
0.0000

 67.8785, 99.6656,
52.4690

 0.0000, 0.0000,
0.0000

 89.4730, 127.7611,
71.7502

 115.2211,

160.6949, 95.2562

145.4882,
198.8516, 123.4057

■ 9.4224, 18.3105,
4.7879

■ 9.4224, 18.3105,
4.7879

■ 9.4228, 18.3112,
4.7882

■ 9.7821, 18.4755,
5.7508

■ 10.3005, 18.7164,
6.9673

■ 11.0417, 19.0663,
8.4563

■ 12.0294, 19.5372,
10.2332

■ 13.2843, 20.1394,
12.3122

■ 14.8248, 20.8821,
14.7068

■ 16.6676, 21.7738,
17.4292

■ 18.8281, 22.8220,
20.4913

■ 21.3206, 24.0340,
23.9044

Harmonies

Analogous

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



13.3539, 18.3105, 1.7107



9.4224, 18.3105, 4.7879



7.7649, 18.3105, 14.7037

Triad

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



9.4224, 18.3105, 4.7879



15.4648, 18.3105, 80.0921



31.8808, 18.3105, 9.7829

Complementary

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



9.4224, 18.3105, 4.7879



12.8307, 6.3432, 12.8605

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.



32.8518, 18.3105, 26.2846



9.4224, 18.3105, 4.7879



22.1989, 18.3105, 75.5343

Square

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



9.4224, 18.3105, 4.7879



10.6364, 18.3105, 62.3560



28.9574, 18.3105, 52.2165



26.5633, 18.3105, 3.0973

Rectangle

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



9.4224, 18.3105, 4.7879



7.7961, 18.3105, 27.3395



28.9574, 18.3105, 52.2165



32.7704, 18.3105, 14.0081

Sweetspot

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



9.4228, 18.3113, 4.7883



29.1529, 38.2694, 30.3944



14.4784, 20.9561, 3.2819



6.2630, 8.4501, 6.4143



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.



9.4228, 18.3113, 4.7883



16.5507, 32.2524, 8.1341



11.6801, 19.2142, 16.6750



5.0234, 5.6288, 5.6441



8.6445, 16.7904, 4.4187



0.0628, 0.1137, 0.0579

Inverse Universe

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



12.8307, 6.3432, 12.8605



22.5475, 11.1532, 22.3096



10.7451, 5.5089, 1.8780



5.1776, 5.1065, 6.0236



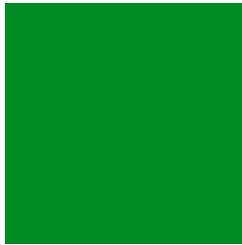
11.7697, 5.8180, 11.8235



0.0843, 0.0411, 0.1107

Previews

White Background



This preview shows how the XYZ color 9.4224, 18.3105, 4.7879 looks on a white background.

Color Contrast Check

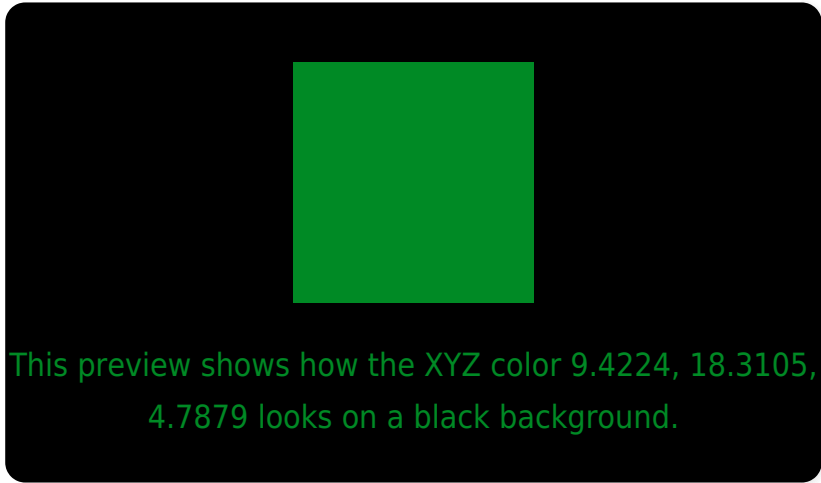
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.4224, 18.3105, 4.7879

Background



This preview shows how black text looks on a background with the XYZ color 9.4224, 18.3105, 4.7879.



This preview shows how white text looks on a background with the XYZ color 9.4224, 18.3105,

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

9.4224, 18.3105, 4.7879

Protanopia

16.4120, 18.0477, 3.9850

Deuteranopia

18.3399, 17.9966, 5.1964



Tritanopia

14.1978, 18.4345, 27.2360

Trichromacy



Original Color

9.4224, 18.3105, 4.7879



Protanomaly

11.3687, 16.7140, 4.1403



Deuteranomaly

11.8895, 16.2288, 4.7913



Tritanomaly

11.3771, 17.8369, 15.4136

Monochromacy



Original Color

9.4224, 18.3105, 4.7879



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.5150, 11.1023, 7.2157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4224, 18.3105, 4.7879 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, 138, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 37)  
}
```

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, 138, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 37) }
```

Border

The CSS property to change the border of an element to XYZ 9.4224, 18.3105, 4.7879 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, 138, 37) }
```


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

```
.border{ border-color:rgb(0, 138, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.4224, 18.3105, 4.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 37) }
```

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

```
.background{ background-color: rgb(0, 138,  
37) }
```

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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