

Converting Colors

XYZ(9.5405, 18.8217, 3.9796)

Have a look what the booklet for
XYZ(9.5405, 18.8217, 3.9796)
contains.

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Color

**XYZ(9.5430, 18.8221,
3.9942)**

Conversions

Conversions Part 1

Format	Color
Hex	008C18
RGB	0, 140, 24
RGB Percent	0%, 55%, 9%
CMY	1.0000, 0.4510, 0.9059
CMYK	1.00, 0.00, 0.83, 0.45
HSL	130°, 100%, 27%
HSV	130°, 100%, 55%
XYZ	9.5430, 18.8221, 3.9942
YIQ	84.9160, -46.2040, -65.7560

Conversions

Conversions Part 2

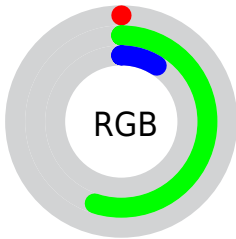
Format	Color
RYB	0, 120, 140
Decimal	35864
CIELab	50.48, -54.15, 48.16
CIELCh	50, 72.474, 138.350
Yxy	18.8221, 0.2949, 0.5817
Android (android.graphics.Color)	4278225944 (0xFF008C18)
YUV	84.9160, -30.0316, -74.4713
Hunter-Lab	43.3844, -36.6593, 24.9106

Details

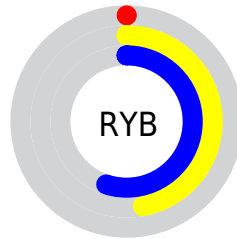
The XYZ color **9.5430, 18.8221, 3.9942** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.9683, 6.8368, 17.1076**, and the grayscale version is **8.6857, 9.1380, 9.9513**.

A 20% lighter version of the original color is **24.6366, 41.5116, 13.9218**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.5433, 18.8228, 3.9943**, and if you desaturate by 10%, it is **9.8721, 18.9753, 4.7799**.

Distribution



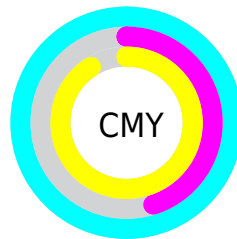
- Red (0%)
- Green (55%)
- Blue (9%)



- Red (0%)
- Yellow (47%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5430, 18.8221, 3.9942 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 9.5430, 18.8221, 3.9942 by changing the saturation by 10% instead.

■ 9.5430, 18.8221,
3.9942

■ 9.5430, 18.8221,
3.9942

181.5012,
245.4649, 148.1609

■ 5.1569, 11.5418,
1.6222

■ 24.5899, 41.4333,
13.9964

■ 2.3753, 6.4325,
0.3066

■ 35.9814, 57.5329,
22.4636

■ 0.8328, 3.1098,
0.0000

■ 50.4388, 77.3412,
33.7996

■ 0.0000, 1.1893,
0.0000

■ 68.3274, 101.2424,
48.4230


■ 0.0000, 0.0530,
0.0000


■ 90.0126, 129.6210,
66.7523


■ 0.0000, 0.0000,
0.0000


■ 115.8597,


162.8613, 89.2060


 146.2341,
201.3478, 116.2027


 9.5430, 18.8221,
3.9942


 9.5430, 18.8221,
3.9942


 9.5433, 18.8228,
3.9943

 9.8721, 18.9753,
4.7799

 10.3748, 19.2107,
5.8724

 11.1180, 19.5630,
7.3014

 12.1281, 20.0452,
9.0917

 13.4280, 20.6685,
11.2657

■ 15.0381, 21.4432,
13.8438

■ 16.9768, 22.3782,
16.8451

■ 19.2612, 23.4820,
20.2876

■ 21.9071, 24.7624,
24.1881

Harmonies

Analogous

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



13.9475, 18.8221, 1.3101



9.5430, 18.8221, 3.9942



7.6165, 18.8221, 13.6037

Triad

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



9.5430, 18.8221, 3.9942



15.2865, 18.8221, 87.0155



34.1143, 18.8221, 10.5297

Complementary

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



9.5430, 18.8221, 3.9942



13.9683, 6.8368, 17.1076

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.



34.7497, 18.8221, 29.3890



9.5430, 18.8221, 3.9942



22.5127, 18.8221, 83.9680

Square

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



9.5430, 18.8221, 3.9942



10.3001, 18.8221, 65.4293



30.0705, 18.8221, 58.7070



28.5122, 18.8221, 3.0085

Rectangle

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



9.5430, 18.8221, 3.9942



7.5400, 18.8221, 26.6742



30.0705, 18.8221, 58.7070



34.9614, 18.8221, 15.3508

Sweetspot

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



9.5434, 18.8229, 3.9946



29.6942, 39.3387, 29.3377



16.6703, 22.5160, 3.4676



6.5361, 8.9169, 6.2896



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.



9.5434, 18.8229, 3.9946



16.7818, 33.1672, 6.8162



11.3693, 19.5532, 13.6093



5.0046, 5.6213, 5.5452



8.4848, 16.7265, 3.5779



0.0601, 0.1126, 0.0437

Inverse Universe

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



13.9683, 6.8368, 17.1076



24.5739, 12.0323, 29.8873



11.3222, 5.7784, 3.1734



5.1977, 5.1145, 6.1294



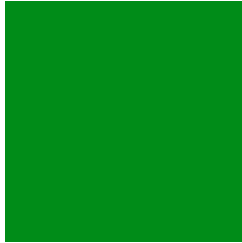
12.4172, 6.0770, 15.2331



0.0870, 0.0422, 0.1249

Previews

White Background



This preview shows how the XYZ color 9.5430, 18.8221, 3.9942 looks on a white background.

Color Contrast Check

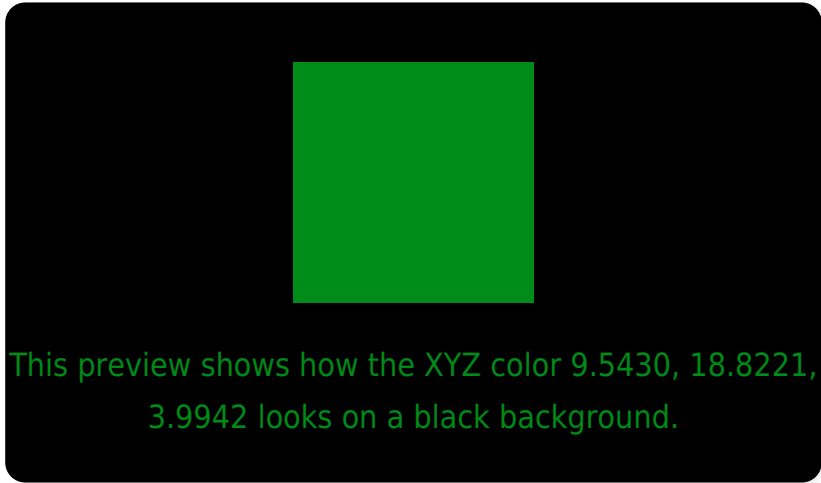
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.5430, 18.8221, 3.9942

Background



This preview shows how black text looks on a background with the XYZ color 9.5430, 18.8221, 3.9942.



This preview shows how white text looks on a background with the XYZ color 9.5430, 18.8221,

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

9.5430, 18.8221, 3.9942

Protanopia

16.8173, 18.6275, 3.2814

Deuteranopia

18.9448, 18.6586, 4.4367



Tritanopia

14.5353, 18.7879, 28.0596

Trichromacy



Original Color

9.5430, 18.8221, 3.9942



Protanomaly

11.5534, 17.2077, 3.3743



Deuteranomaly

12.0768, 16.7086, 4.0274



Tritanomaly

11.4927, 18.3254, 14.4867

Monochromacy



Original Color

9.5430, 18.8221, 3.9942



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.4701, 11.2463, 6.4797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5430, 18.8221, 3.9942 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, 140, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 24)  
}
```

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, 140, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 24) }
```

Border

The CSS property to change the border of an element to XYZ 9.5430, 18.8221, 3.9942 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, 140, 24) }
```


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

```
.border{ border-color:rgb(0, 140, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.5430, 18.8221, 3.9942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 24) }
```

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

```
.background{ background-color: rgb(0, 140,  
24) }
```

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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