

Converting Colors

XYZ(9.4277, 18.8345, 3.2070)

Have a look what the booklet for
XYZ(9.4277, 18.8345, 3.2070)
contains.

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Color

**XYZ(9.3890, 18.7605,
3.1837)**

Conversions

Conversions Part 1

Format	Color
Hex	008C02
RGB	0, 140, 2
RGB Percent	0%, 55%, 1%
CMY	1.0000, 0.4510, 0.9921
CMYK	1.00, 0.00, 0.99, 0.45
HSL	121°, 100%, 27%
HSV	121°, 100%, 55%
XYZ	9.3890, 18.7605, 3.1837
YIQ	82.4080, -39.1420, -72.5980

Conversions

Conversions Part 2

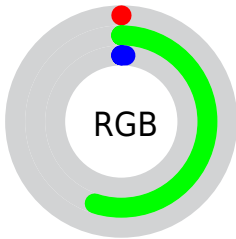
Format	Color
RYB	0, 138, 140
Decimal	35842
CIELab	50.41, -55.10, 52.88
CIELCh	50, 76.367, 136.178
Yxy	18.7605, 0.2997, 0.5987
Android (android.graphics.Color)	4278225922 (0xFF008C02)
YUV	82.4080, -39.6411, -72.2718
Hunter-Lab	43.3134, -37.1052, 25.9613

Details

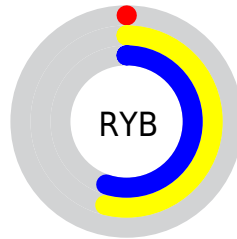
The XYZ color **9.3890, 18.7605, 3.1837** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.4026, 7.4104, 24.6606**, and the grayscale version is **8.1858, 8.6121, 9.3786**.

A 20% lighter version of the original color is **24.2745, 41.3668, 12.0154**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.3895, 18.7613, 3.1841**, and if you desaturate by 10%, it is **9.6517, 18.8871, 3.6196**.

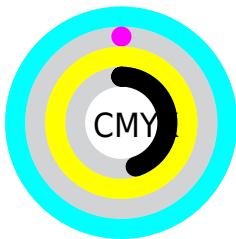
Distribution



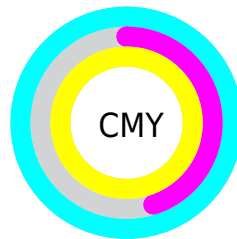
- Red (0%)
- Green (55%)
- Blue (1%)



- Red (0%)
- Yellow (54%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3890, 18.7605, 3.1837 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 9.3890, 18.7605, 3.1837 by changing the saturation by 10% instead.

■ 9.3890, 18.7605,
3.1837

■ 9.3890, 18.7605,
3.1837

180.4002,
245.1234, 138.6670

■ 5.0549, 11.4973,
1.1892

■ 24.3000, 41.3290,
12.0785

■ 2.3146, 6.4024,
0.0000

■ 35.6076, 57.4032,
19.8158

■ 0.8021, 3.0913,
0.0000

■ 49.9704, 77.1831,
30.3045

■ 0.0000, 1.1796,
0.0000

■ 67.7538, 101.0532,
43.9630


■ 0.0000, 0.0449,
0.0000


■ 89.3231, 129.3979,
61.2100


■ 0.0000, 0.0000,
0.0000


■ 115.0437,


162.6016, 82.4640


 145.2810,
201.0486, 108.1435


 9.3890, 18.7605,
3.1837


 9.3890, 18.7605,
3.1837


 9.3895, 18.7613,
3.1841

 9.6517, 18.8871,
3.6196

 10.0867, 19.0955,
4.3564

 10.7769, 19.4266,
5.5066

 11.7531, 19.8951,
7.1187

 13.0418, 20.5140,
9.2345

■ 14.6667, 21.2946,
11.8911

■ 16.6489, 22.2470,
15.1221

■ 19.0080, 23.3806,
18.9585

■ 21.7620, 24.7043,
23.4289

Harmonies

Analogous

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



14.1430, 18.7605, 0.9483



9.3890, 18.7605, 3.1837



7.2528, 18.7605, 12.1353

Triad

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



9.3890, 18.7605, 3.1837



14.6343, 18.7605, 91.3748



35.3504, 18.7605, 11.0238

Complementary

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



9.3890, 18.7605, 3.1837



15.4026, 7.4104, 24.6606

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.



35.5907, 18.7605, 31.8308



9.3890, 18.7605, 3.1837



22.1108, 18.7605, 90.1989

Square

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



9.3890, 18.7605, 3.1837



9.6622, 18.7605, 66.3861



30.2379, 18.7605, 63.8126



29.6516, 18.7605, 2.8518

Rectangle

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



9.3890, 18.7605, 3.1837



7.0730, 18.7605, 25.1491



30.2379, 18.7605, 63.8126



36.1170, 18.7605, 16.3364

Sweetspot

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



9.3895, 18.7613, 3.1841



29.1114, 39.1055, 26.2688



20.1941, 24.3325, 3.6323



6.3941, 8.8601, 5.5417



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.



9.3895, 18.7613, 3.1841



16.5483, 33.0738, 5.5863



10.4840, 19.1991, 8.9478



4.9746, 5.6093, 5.3871



8.3433, 16.6699, 2.8325



0.0558, 0.1109, 0.0206

Inverse Universe

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



15.4026, 7.4104, 24.6606



27.1491, 13.0623, 43.4478



11.9212, 6.0179, 6.3278



5.2308, 5.1278, 6.3039



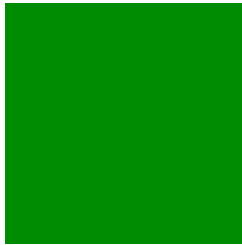
13.6860, 6.5845, 21.9147



0.0914, 0.0439, 0.1480

Previews

White Background



This preview shows how the XYZ color 9.3890, 18.7605, 3.1837 looks on a white background.

Color Contrast Check

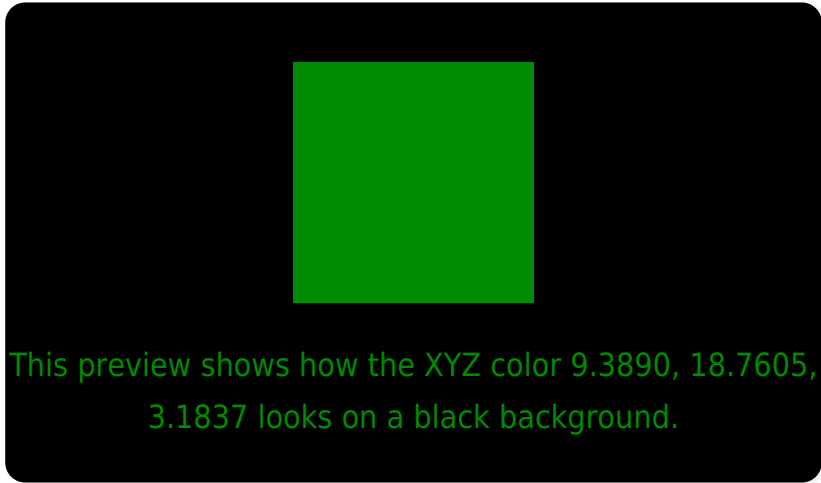
Large Text (above 18pt) WCAG AA ✓ Pass

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

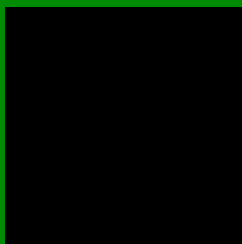
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.3890, 18.7605, 3.1837

Background



This preview shows how black text looks on a background with the XYZ color 9.3890, 18.7605, 3.1837.



This preview shows how white text looks on a background with the XYZ color 9.3890, 18.7605,

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

9.3890, 18.7605, 3.1837

Protanopia

16.7081, 18.5838, 2.7064

Deuteranopia

18.7171, 18.3880, 3.7910



Tritanopia

14.5940, 18.8182, 28.0624

Trichromacy



Original Color

9.3890, 18.7605, 3.1837



Protanomaly

11.4326, 17.1594, 2.7382



Deuteranomaly

11.9285, 16.6493, 3.2468



Tritanomaly

11.1699, 18.2004, 12.5972

Monochromacy



Original Color

9.3890, 18.7605, 3.1837



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

6.9090, 10.6876, 5.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3890, 18.7605, 3.1837 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 9.3890, 18.7605, 3.1837 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, 2) }
```


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

```
.border{ border-color:rgb(0, 140, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 140, 2); box-shadow:4px  
4px 4px 4px rgb(0, 140, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3890, 18.7605, 3.1837 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, 2) }
```

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

```
.background{ background-color: rgb(0, 140,  
2) }
```

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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