

Converting Colors

XYZ(18.9994, 37.4963, 7.8820)

Have a look what the booklet for
XYZ(18.9994, 37.4963, 7.8820)
contains.

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Color

**XYZ(18.9492, 37.3890,
7.8871)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF24
RGB	0, 191, 36
RGB Percent	0%, 75%, 14%
CMY	1.0000, 0.2510, 0.8588
CMYK	1.00, 0.00, 0.81, 0.25
HSL	131°, 100%, 37%
HSV	131°, 100%, 75%
XYZ	18.9492, 37.3890, 7.8871
YIQ	116.2210, -64.0810, -88.6970

Conversions

Conversions Part 2

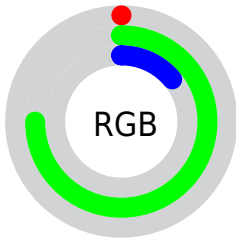
Format	Color
RYB	0, 161, 191
Decimal	48932
CIELab	67.57, -68.11, 60.71
CIELCh	68, 91.243, 138.289
Yxy	37.3890, 0.2950, 0.5822
Android (android.graphics.Color)	4278239012 (0xFF00BF24)
YUV	116.2210, -39.5490, -101.9258
Hunter-Lab	61.1465, -51.6896, 35.1550

Details

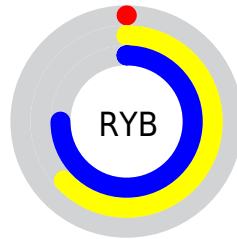
The XYZ color **18.9492, 37.3890, 7.8871** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.4029, 13.4433, 32.1594**, and the grayscale version is **16.8010, 17.6759, 19.2491**.

A 20% lighter version of the original color is **41.3081, 71.3443, 22.4201**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.9501, 37.3906, 7.8879**, and if you desaturate by 10%, it is **19.5109, 37.6461, 9.4289**.

Distribution



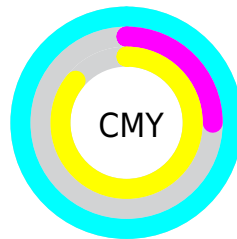
- Red (0%)
- Green (75%)
- Blue (14%)



- Red (0%)
- Yellow (63%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9492, 37.3890, 7.8871 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 18.9492, 37.3890, 7.8871 by changing the saturation by 10% instead.


 18.9492, 37.3890,
7.8871

 18.9492, 37.3890,
7.8871


239.1117,
334.9916, 184.7452


 11.7374, 25.5088,
3.9361


 41.1658, 71.1707,
22.2793


 6.6360, 16.4565,
1.5903


 56.9012, 93.8409,
33.5576

 3.2798, 9.8478,
0.2839


 76.2086, 120.8767,
48.1153

 1.3034, 5.2982,
0.0000

 99.4532, 152.6623,
66.3711

 0.1858, 2.4232,
0.0000

 127.0005,
189.5823, 88.7434

 0.0000, 0.8378,
0.0000

 159.2158,

 0.0000, 0.0000,

232.0209, 115.6509

0.0000

196.4644,
280.3625, 147.5119

■ 18.9492, 37.3890,
7.8871

■ 18.9492, 37.3890,
7.8871

■ 18.9501, 37.3906,
7.8879

■ 19.5109, 37.6461,
9.4289

■ 20.4516, 38.0844,
11.5843

■ 21.8785, 38.7588,
14.4120

■ 23.8489, 39.6981,
17.9622

■ 26.4124, 40.9267,
22.2799

■ 29.6124, 42.4662,
27.4066

■ 33.4884, 44.3362,
33.3809

■ 38.0768, 46.5545,
40.2387

■ 43.4111, 49.1378,
48.0139

Harmonies

Analogous

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



27.7185, 37.3890, 2.5805



18.9492, 37.3890, 7.8871



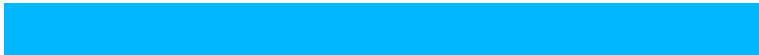
15.1104, 37.3890, 26.9427

Triad

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



18.9492, 37.3890, 7.8871



30.3325, 37.3890, 173.1088



67.8401, 37.3890, 20.9437

Complementary

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



18.9492, 37.3890, 7.8871



27.4029, 13.4433, 32.1594

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.



69.0816, 37.3890, 58.5138



18.9492, 37.3890, 7.8871



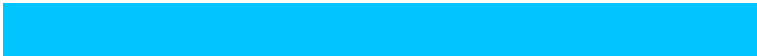
44.7030, 37.3890, 167.1506

Square

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



18.9492, 37.3890, 7.8871



20.4266, 37.3890, 130.0414



59.7493, 37.3890, 116.9018



56.7048, 37.3890, 5.9673

Rectangle

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



18.9492, 37.3890, 7.8871



14.9525, 37.3890, 52.9085



59.7493, 37.3890, 116.9018



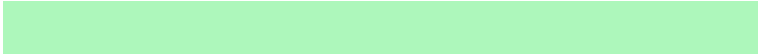
69.5188, 37.3890, 30.5477

Sweetspot

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



18.9501, 37.3906, 7.8879



59.6175, 79.2302, 59.2396



32.3392, 44.3297, 6.8520



12.4129, 17.0707, 11.9708



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.9501, 37.3906, 7.8879



33.8735, 66.9381, 13.7853



22.6958, 38.8888, 27.6123



9.4803, 10.6782, 10.5128



12.4758, 24.5806, 5.3022



0.5112, 0.9718, 0.3263

Inverse Universe

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



27.4029, 13.4433, 32.1594



48.9911, 24.0418, 57.1448



22.3152, 11.4082, 5.3683



9.8507, 9.6646, 11.6029



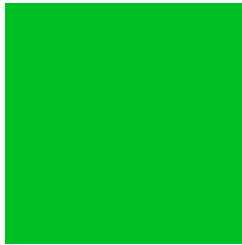
18.0360, 8.8456, 21.2811



0.7268, 0.3546, 0.9403

Previews

White Background



This preview shows how the XYZ color 18.9492, 37.3890, 7.8871 looks on a white background.

Color Contrast Check

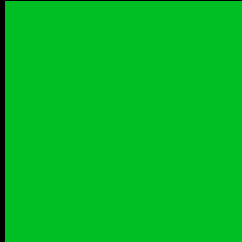
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.9492, 37.3890, 7.8871 looks on a 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 ✓ Pass

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

XYZ 18.9492, 37.3890, 7.8871

Background



This preview shows how black text looks on a background with the XYZ color 18.9492, 37.3890, 7.8871.



This preview shows how white text looks on a background with the XYZ color 18.9492, 37.3890,

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

18.9492, 37.3890, 7.8871

Protanopia

33.2644, 36.8300, 6.5181

Deuteranopia

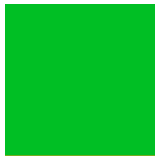
37.2890, 36.5464, 8.5788



Tritanopia

28.6593, 37.3088, 55.5600

Trichromacy



Original Color

18.9492, 37.3890, 7.8871



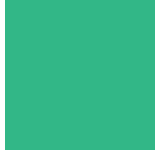
Protanomaly

22.7329, 34.1583, 6.7616



Deuteranomaly

23.7216, 32.9563, 7.8003



Tritanomaly

22.6221, 36.2944, 28.7349

Monochromacy



Original Color

18.9492, 37.3890, 7.8871



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.3668, 21.7889, 12.4653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9492, 37.3890, 7.8871 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, 191, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 36) }
```

Border

The CSS property to change the border of an element to XYZ 18.9492, 37.3890, 7.8871 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, 191, 36) }
```


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

```
.border{ border-color:rgb(0, 191, 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, 191, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9492, 37.3890, 7.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 36) }
```

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

```
.background{ background-color: rgb(0, 191,  
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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