

Converting Colors

XYZ(18.8681, 37.4438, 7.1905)

Have a look what the booklet for
XYZ(18.8681, 37.4438, 7.1905)
contains.

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Color

**XYZ(18.8173, 37.3362,
7.1921)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF1A
RGB	0, 191, 26
RGB Percent	0%, 75%, 10%
CMY	1.0000, 0.2510, 0.8980
CMYK	1.00, 0.00, 0.86, 0.25
HSL	128°, 100%, 37%
HSV	128°, 100%, 75%
XYZ	18.8173, 37.3362, 7.1921
YIQ	115.0810, -60.8710, -91.8070

Conversions

Conversions Part 2

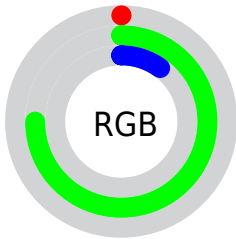
Format	Color
RYB	0, 168, 191
Decimal	48922
CIELab	67.53, -68.62, 63.17
CIELCh	68, 93.270, 137.370
Yxy	37.3362, 0.2971, 0.5894
Android (android.graphics.Color)	4278239002 (0xFF00BF1A)
YUV	115.0810, -43.9169, -100.9260
Hunter-Lab	61.1034, -51.9603, 35.7937

Details

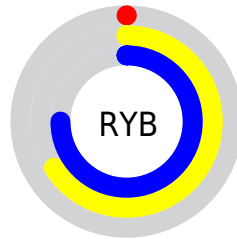
The XYZ color **18.8173, 37.3362, 7.1921** is a dark color, and the websafe version is hex **00CC33**. A complement of this color would be **28.2782, 13.7935, 36.7687**, and the grayscale version is **16.4641, 17.3215, 18.8631**.

A 20% lighter version of the original color is **41.0040, 71.2226, 20.8187**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.8181, 37.3377, 7.1927**, and if you desaturate by 10%, it is **19.3293, 37.5734, 8.4723**.

Distribution



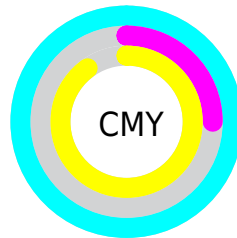
- Red (0%)
- Green (75%)
- Blue (10%)



- Red (0%)
- Yellow (66%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (86%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8173, 37.3362, 7.1921 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 18.8173, 37.3362, 7.1921 by changing the saturation by 10% instead.


 18.8173, 37.3362,
7.1921


 18.8173, 37.3362,
7.1921


238.3958,
334.7638, 178.9415


 11.6416, 25.4679,
3.5023


 40.9444, 71.0896,
20.8781


 6.5706, 16.4260,
1.3565


 56.6265, 93.7434,
31.7112


 3.2389, 9.8261,
0.1074


 75.8747, 120.7612,
45.7626

 1.2813, 5.2838,
0.0000

 99.0545, 152.5274,
63.4508

 0.1692, 2.4147,
0.0000

 126.5311,
189.4264, 85.1942

 0.0000, 0.8335,
0.0000

 158.6700,

 0.0000, 0.0000,

231.8425, 111.4114

0.0000

195.8364,
280.1602, 142.5210

■ 18.8173, 37.3362,
7.1921

■ 18.8173, 37.3362,
7.1921

■ 18.8181, 37.3377,
7.1927

■ 19.3293, 37.5734,
8.4723

■ 20.2281, 37.9949,
10.4066

■ 21.6239, 38.6570,
13.0702

■ 23.5766, 39.5892,
16.5261

■ 26.1376, 40.8168,
20.8306

■ 29.3524, 42.3622,
26.0346

■ 33.2621, 44.2457,
32.1853

■ 37.9044, 46.4856,
39.3263

■ 43.3143, 49.0992,
47.4987

Harmonies

Analogous

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



27.8736, 37.3362, 2.2642



18.8173, 37.3362, 7.1921



14.8046, 37.3362, 25.7127

Triad

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



18.8173, 37.3362, 7.1921



29.7918, 37.3362, 176.6971



68.8529, 37.3362, 21.3375

Complementary

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



18.8173, 37.3362, 7.1921



28.2782, 13.7935, 36.7687

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.



69.7755, 37.3362, 60.4840



18.8173, 37.3362, 7.1921



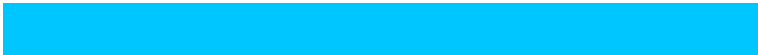
44.3739, 37.3362, 172.2318

Square

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



18.8173, 37.3362, 7.1921



19.8940, 37.3362, 130.8554



59.8917, 37.3362, 121.0405



57.6341, 37.3362, 5.8323

Rectangle

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



18.8173, 37.3362, 7.1921



14.5606, 37.3362, 51.6502



59.8917, 37.3362, 121.0405



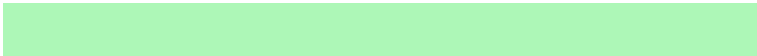
70.4675, 37.3362, 31.3389

Sweetspot

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



18.8182, 37.3377, 7.1929



59.2067, 79.0658, 57.0760



34.2606, 45.3201, 6.9421



12.3163, 17.0320, 11.4620



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.



18.8182, 37.3377, 7.1929



33.6520, 66.8494, 12.6187



22.0810, 38.6429, 24.3748



9.4603, 10.6702, 10.4073



12.3842, 24.5440, 4.8200



0.5024, 0.9683, 0.2801

Inverse Universe

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



28.2782, 13.7935, 36.7687



50.5772, 24.6762, 65.4968



22.5935, 11.5196, 6.8333



9.8726, 9.6733, 11.7179



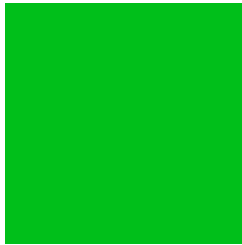
18.6051, 9.0732, 24.2779



0.7444, 0.3617, 1.0335

Previews

White Background



This preview shows how the XYZ color 18.8173, 37.3362, 7.1921 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 18.8173, 37.3362, 7.1921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

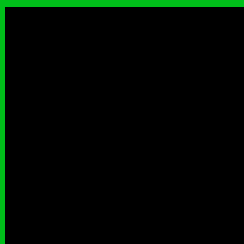
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8173, 37.3362, 7.1921

Background



This preview shows how black text looks on a background with the XYZ color 18.8173, 37.3362, 7.1921.



This preview shows how white text looks on a background with the XYZ color 18.8173, 37.3362,

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

18.8173, 37.3362, 7.1921

Protanopia

33.1438, 36.7817, 5.8830

Deuteranopia

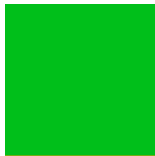
37.4317, 36.6352, 7.8947



Tritanopia

28.7431, 37.3520, 55.5639

Trichromacy



Original Color

18.8173, 37.3362, 7.1921



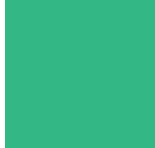
Protanomaly

22.5984, 34.1045, 6.0536



Deuteranomaly

23.5916, 32.9043, 7.1152



Tritanomaly

22.4636, 36.2367, 27.6402

Monochromacy



Original Color

18.8173, 37.3362, 7.1921



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1314, 21.6859, 11.6246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8173, 37.3362, 7.1921 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 26) }
```

Border

The CSS property to change the border of an element to XYZ 18.8173, 37.3362, 7.1921 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, 26) }
```


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

```
.border{ border-color:rgb(0, 191, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8173, 37.3362, 7.1921 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, 26) }
```

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

```
.background{ background-color: rgb(0, 191,  
26) }
```

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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