

Converting Colors

XYZ(19.2631, 37.6018, 9.2708)

Have a look what the booklet for
XYZ(19.2631, 37.6018, 9.2708)
contains.

XYZ(19.2065, 37.4919, 9.2420)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.2065, 37.4919,
9.2420)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF32
RGB	0, 191, 50
RGB Percent	0%, 75%, 20%
CMY	1.0000, 0.2510, 0.8039
CMYK	1.00, 0.00, 0.74, 0.25
HSL	136°, 100%, 37%
HSV	136°, 100%, 75%
XYZ	19.2065, 37.4919, 9.2420
YIQ	117.8170, -68.5750, -84.3430

Conversions

Conversions Part 2

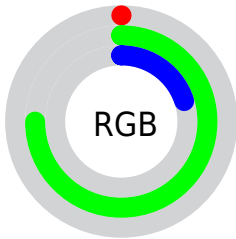
Format	Color
RYB	0, 151, 191
Decimal	48946
CIELab	67.64, -67.13, 56.32
CIELCh	68, 87.624, 140.004
Yxy	37.4919, 0.2913, 0.5686
Android (android.graphics.Color)	4278239026 (0xFF00BF32)
YUV	117.8170, -33.4338, -103.3255
Hunter-Lab	61.2306, -51.1627, 33.9124

Details

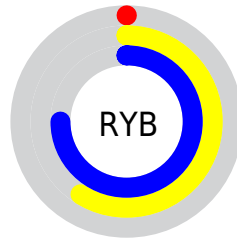
The XYZ color **19.2065, 37.4919, 9.2420** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.2943, 12.9998, 26.3219**, and the grayscale version is **17.2800, 18.1799, 19.7979**.

A 20% lighter version of the original color is **41.6810, 71.4806, 24.9649**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.2074, 37.4935, 9.2429**, and if you desaturate by 10%, it is **19.8305, 37.7739, 11.1121**.

Distribution



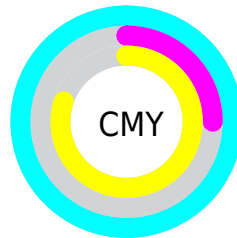
- Red (0%)
- Green (75%)
- Blue (20%)



- Red (0%)
- Yellow (59%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2065, 37.4919, 9.2420 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 19.2065, 37.4919, 9.2420 by changing the saturation by 10% instead.


 19.2065, 37.4919,
9.2420


 19.2065, 37.4919,
9.2420


240.5027,
335.4353, 195.4571


 11.9245, 25.5886,
4.8004


 41.5969, 71.3287,
24.9448


 6.7641, 16.5161,
2.0739


 57.4360, 94.0309,
37.0431


 3.3600, 9.8901,
0.6002


 76.8582, 121.1016,
52.5307

 1.3469, 5.3261,
0.0000

 100.2288,
152.9251, 71.8261

 0.2179, 2.4399,
0.0000

 127.9132,
189.8858, 95.3479

 0.0000, 0.8463,
0.0000

 160.2768,

 0.0000, 0.0000,

232.3682, 123.5147

0.0000

197.6848,
280.7565, 156.7449

■ 19.2065, 37.4919,
9.2420

■ 19.2065, 37.4919,
9.2420

■ 19.2074, 37.4935,
9.2429

■ 19.8305, 37.7739,
11.1121

■ 20.8208, 38.2320,
13.5285

■ 22.2812, 38.9199,
16.5332

■ 24.2667, 39.8652,
20.1620

■ 26.8240, 41.0913,
24.4479

■ 29.9949, 42.6192,
29.4213

■ 33.8169, 44.4675,
35.1108

■ 38.3245, 46.6536,
41.5434

■ 43.5498, 49.1933,
48.7446

Harmonies

Analogous

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



27.4655, 37.4919, 3.2244



19.2065, 37.4919, 9.2420



15.6831, 37.4919, 29.2202

Triad

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



19.2065, 37.4919, 9.2420



31.3124, 37.4919, 166.6980



66.0495, 37.4919, 20.2920

Complementary

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



19.2065, 37.4919, 9.2420



26.2943, 12.9998, 26.3219

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.



67.8354, 37.4919, 55.1490



19.2065, 37.4919, 9.2420



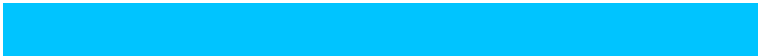
45.2822, 37.4919, 158.2616

Square

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



19.2065, 37.4919, 9.2420



21.4082, 37.4919, 128.4778



59.4753, 37.4919, 109.7573



55.0790, 37.4919, 6.2347

Rectangle

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



19.2065, 37.4919, 9.2420



15.6835, 37.4919, 55.1605



59.4753, 37.4919, 109.7573



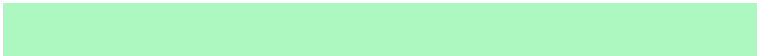
67.8345, 37.4919, 29.2127

Sweetspot

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



19.2074, 37.4935, 9.2429



60.2115, 79.4678, 62.3675



30.0030, 43.1253, 6.7427



12.5535, 17.1269, 12.7109



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.



19.2074, 37.4935, 9.2429



34.3150, 67.1146, 16.1101



23.6086, 39.2540, 32.4195



9.5086, 10.6895, 10.6617



12.6510, 24.6507, 6.2251



0.5235, 0.9768, 0.3910

Inverse Universe

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



26.2943, 12.9998, 26.3219



46.9862, 23.2398, 46.5872



22.0151, 11.2882, 3.7879



9.8204, 9.6525, 11.4432



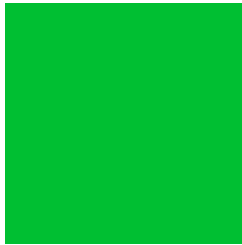
17.3140, 8.5568, 17.4791



0.7037, 0.3454, 0.8187

Previews

White Background



This preview shows how the XYZ color 19.2065, 37.4919, 9.2420 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 19.2065, 37.4919, 9.2420 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 19.2065, 37.4919, 9.2420

Background



This preview shows how black text looks on a background with the XYZ color 19.2065, 37.4919, 9.2420.



This preview shows how white text looks on a background with the XYZ color 19.2065, 37.4919,

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

19.2065, 37.4919, 9.2420

Protanopia

33.4787, 36.9157, 7.6464

Deuteranopia

37.5486, 36.6502, 9.9457



Tritanopia

28.7705, 37.3533, 56.1456

Trichromacy



Original Color

19.2065, 37.4919, 9.2420



Protanomaly

22.9653, 34.2513, 7.9855



Deuteranomaly

23.9980, 33.0669, 9.2554



Tritanomaly

23.0566, 36.4682, 31.0232

Monochromacy



Original Color

19.2065, 37.4919, 9.2420



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.0028, 22.5370, 13.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2065, 37.4919, 9.2420 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 50) }
```

Border

The CSS property to change the border of an element to XYZ 19.2065, 37.4919, 9.2420 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, 50) }
```


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

```
.border{ border-color:rgb(0, 191, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2065, 37.4919, 9.2420 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, 50) }
```

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

```
.background{ background-color: rgb(0, 191,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor