

Converting Colors

XYZ(19.3227, 37.6257, 9.5844)

Have a look what the booklet for
XYZ(19.3227, 37.6257, 9.5844)
contains.

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Color

**XYZ(19.2734, 37.5186,
9.5942)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00BF35 |
| RGB | 0, 191, 53 |
| RGB Percent | 0%, 75%, 21% |
| CMY | 1.0000, 0.2510, 0.7921 |
| CMYK | 1.00, 0.00, 0.72, 0.25 |
| HSL | 137°, 100%, 37% |
| HSV | 137°, 100%, 75% |
| XYZ | 19.2734, 37.5186, 9.5942 |
| YIQ | 118.1590, -69.5380, -83.4100 |

Conversions

Conversions Part 2

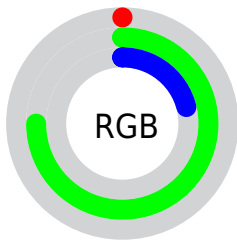
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 150, 191 |
| Decimal | 48949 |
| CIELab | 67.66, -66.87, 55.25 |
| CIELCh | 68, 86.745, 140.436 |
| Yxy | 37.5186, 0.2903, 0.5652 |
| Android (android.graphics.Color) | 4278239029 (0xFF00BF35) |
| YUV | 118.1590, -32.1234, -103.6254 |
| Hunter-Lab | 61.2524, -51.0258, 33.5899 |

Details

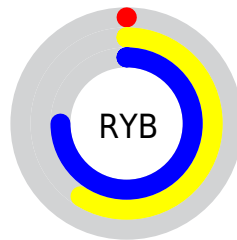
The XYZ color **19.2734, 37.5186, 9.5942** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.0743, 12.9119, 25.1635**, and the grayscale version is **17.3840, 18.2894, 19.9171**.

A 20% lighter version of the original color is **41.8380, 71.5434, 25.7915**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.2742, 37.5201, 9.5947**, and if you desaturate by 10%, it is **19.9094, 37.8054, 11.5275**.

Distribution



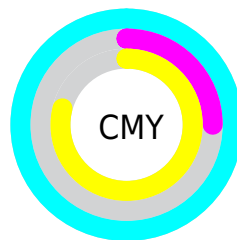
- Red (0%)
- Green (75%)
- Blue (21%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2734, 37.5186, 9.5942 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 19.2734, 37.5186, 9.5942 by changing the saturation by 10% instead.


 19.2734, 37.5186,
9.5942


 19.2734, 37.5186,
9.5942


240.8632,
335.5504, 198.1292


 11.9732, 25.6093,
5.0287


 41.7089, 71.3697,
25.6252


 6.7975, 16.5316,
2.2051


 57.5748, 94.0802,
37.9277

 3.3810, 9.9011,
0.6773


 77.0268, 121.1600,
53.6462

 1.3583, 5.3334,
0.0000

 100.4300,
152.9933, 73.1994

 0.2262, 2.4442,
0.0000

 128.1499,
189.9646, 97.0058

 0.0000, 0.8485,
0.0000

 160.5518,

 0.0000, 0.0000,

232.4583, 125.4838

0.0000

198.0012,
280.8587, 159.0521

■ 19.2734, 37.5186,
9.5942

■ 19.2734, 37.5186,
9.5942

■ 19.2742, 37.5201,
9.5947

■ 19.9094, 37.8054,
11.5275

■ 20.9089, 38.2672,
13.9915

■ 22.3749, 38.9573,
17.0256

■ 24.3620, 39.9033,
20.6629

■ 26.9167, 41.1284,
24.9341

■ 30.0802, 42.6533,
29.8678

■ 33.8896, 44.4966,
35.4906

■ 38.3792, 46.6754,
41.8278

■ 43.5807, 49.2057,
48.9034

Harmonies

Analogous

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



27.4087, 37.5186, 3.3973



19.2734, 37.5186, 9.5942



15.8278, 37.5186, 29.7893

Triad

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



19.2734, 37.5186, 9.5942



31.5534, 37.5186, 165.1396



65.6178, 37.5186, 20.1435

Complementary

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



19.2734, 37.5186, 9.5942



26.0743, 12.9119, 25.1635

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.



67.5310, 37.5186, 54.3603



19.2734, 37.5186, 9.5942



45.4212, 37.5186, 156.1370

Square

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



19.2734, 37.5186, 9.5942



21.6527, 37.5186, 128.0761



59.4047, 37.5186, 108.0680



54.6903, 37.5186, 6.3050

Rectangle

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



19.2734, 37.5186, 9.5942



15.8674, 37.5186, 55.7081



59.4047, 37.5186, 108.0680



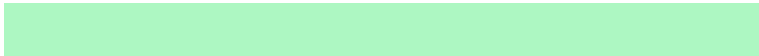
67.4269, 37.5186, 28.9030

Sweetspot

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



19.2743, 37.5201, 9.5951



60.3416, 79.5198, 63.0524



29.4586, 42.8446, 6.7173



12.5844, 17.1393, 12.8737



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.



19.2743, 37.5201, 9.5951



34.4309, 67.1610, 16.7202



23.8539, 39.3520, 33.7111



9.5147, 10.6920, 10.6937



12.6961, 24.6687, 6.4627



0.5261, 0.9778, 0.4048

Inverse Universe

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



26.0743, 12.9119, 25.1635



46.5889, 23.0809, 44.4946



21.9521, 11.2630, 3.4565



9.8139, 9.6499, 11.4092



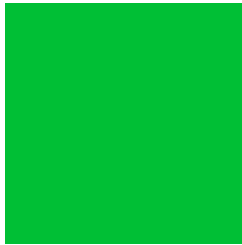
17.1705, 8.4994, 16.7233



0.6990, 0.3435, 0.7940

Previews

White Background



This preview shows how the XYZ color 19.2734, 37.5186, 9.5942 looks on a white background.

Color Contrast Check

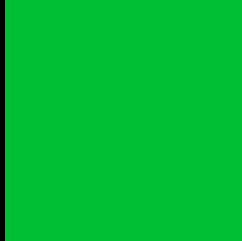
Large Text (above 18pt) WCAG AA × Fail

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 19.2734, 37.5186, 9.5942 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 19.2734, 37.5186, 9.5942

Background



This preview shows how black text looks on a background with the XYZ color 19.2734, 37.5186, 9.5942.



This preview shows how white text looks on a background with the XYZ color 19.2734, 37.5186,

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

19.2734, 37.5186, 9.5942

Protanopia

33.2970, 36.8155, 7.9359

Deuteranopia

37.3333, 36.5325, 10.2381



Tritanopia

28.6879, 37.3107, 56.1418

Trichromacy



Original Color

19.2734, 37.5186, 9.5942



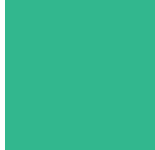
Protanomaly

22.8929, 34.2069, 8.3017



Deuteranomaly

23.8982, 33.0093, 9.5267



Tritanomaly

23.1314, 36.4981, 31.4169

Monochromacy



Original Color

19.2734, 37.5186, 9.5942



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.0474, 22.5548, 14.1501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2734, 37.5186, 9.5942 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 53) }
```

Border

The CSS property to change the border of an element to XYZ 19.2734, 37.5186, 9.5942 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, 53) }
```


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

```
.border{ border-color:rgb(0, 191, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2734, 37.5186, 9.5942 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, 53) }
```

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

```
.background{ background-color: rgb(0, 191,  
53) }
```

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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