

Converting Colors

XYZ(19.4641, 37.6822, 10.3290)

Have a look what the booklet for
XYZ(19.4641, 37.6822, 10.3290)
contains.

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Color

**XYZ(19.4202, 37.5774,
10.3673)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF3B
RGB	0, 191, 59
RGB Percent	0%, 75%, 23%
CMY	1.0000, 0.2510, 0.7686
CMYK	1.00, 0.00, 0.69, 0.25
HSL	139°, 100%, 37%
HSV	139°, 100%, 75%
XYZ	19.4202, 37.5774, 10.3673
YIQ	118.8430, -71.4640, -81.5440

Conversions

Conversions Part 2

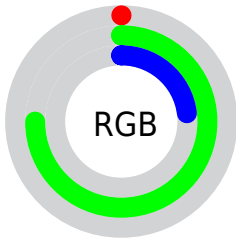
Format	Color
RYB	0, 146, 191
Decimal	48955
CIELab	67.71, -66.32, 53.00
CIELCh	68, 84.892, 141.370
Yxy	37.5774, 0.2883, 0.5578
Android (android.graphics.Color)	4278239035 (0xFF00BF3B)
YUV	118.8430, -29.5026, -104.2253
Hunter-Lab	61.3004, -50.7262, 32.8830

Details

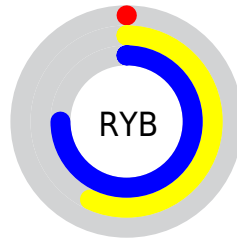
The XYZ color **19.4202, 37.5774, 10.3673** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.6515, 12.7427, 22.9370**, and the grayscale version is **17.5922, 18.5083, 20.1556**.

A 20% lighter version of the original color is **42.0019, 71.5963, 27.2285**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.4211, 37.5789, 10.3682**, and if you desaturate by 10%, it is **20.0785, 37.8731, 12.4179**.

Distribution



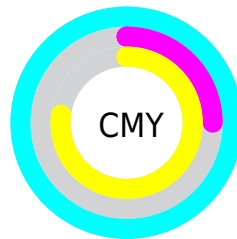
- Red (0%)
- Green (75%)
- Blue (23%)



- Red (0%)
- Yellow (57%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4202, 37.5774, 10.3673 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 19.4202, 37.5774, 10.3673 by changing the saturation by 10% instead.

■ 19.4202, 37.5774,
10.3673

■ 19.4202, 37.5774,
10.3673

241.6526,
335.8036, 203.8530

■ 12.0801, 25.6549,
5.5344

■ 41.9543, 71.4599,
27.1026

■ 6.8708, 16.5656,
2.4999

■ 57.8791, 94.1887,
39.8421

■ 3.4271, 9.9253,
0.8401

■ 77.3961, 121.2884,
56.0543

■ 1.3834, 5.3494,
0.0000

■ 100.8708,
153.1433, 76.1575

■ 0.2444, 2.4537,
0.0000

■ 128.6684,
190.1379, 100.5705

■ 0.0000, 0.8533,
0.0000

161.1543,

■ 0.0000, 0.0000,

232.6566, 129.7117

0.0000

198.6939,
281.0837, 163.9997

■ 19.4202, 37.5774,
10.3673

■ 19.4202, 37.5774,
10.3673

■ 19.4211, 37.5789,
10.3682

■ 20.0785, 37.8731,
12.4179

■ 21.0941, 38.3414,
14.9676

■ 22.5694, 39.0352,
18.0504

■ 24.5578, 39.9816,
21.6950

■ 27.1051, 41.2038,
25.9279

■ 30.2518, 42.7219,
30.7740

■ 34.0345, 44.5546,
36.2565

■ 38.4868, 46.7185,
42.3976

■ 43.6397, 49.2293,
49.2183

Harmonies

Analogous

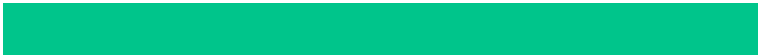
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.2950, 37.5774, 3.7843



19.4202, 37.5774, 10.3673



16.1399, 37.5774, 31.0096

Triad

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



19.4202, 37.5774, 10.3673



32.0653, 37.5774, 161.8571



64.7126, 37.5774, 19.8426

Complementary

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



19.4202, 37.5774, 10.3673



25.6515, 12.7427, 22.9370

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.



66.8884, 37.5774, 52.7336



19.4202, 37.5774, 10.3673



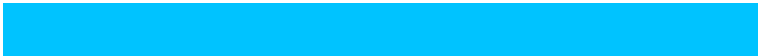
45.7126, 37.5774, 151.7054

Square

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



19.4202, 37.5774, 10.3673



22.1763, 37.5774, 127.2040



59.2517, 37.5774, 104.5665



53.8795, 37.5774, 6.4605

Rectangle

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



19.4202, 37.5774, 10.3673



16.2634, 37.5774, 56.8635



59.2517, 37.5774, 104.5665



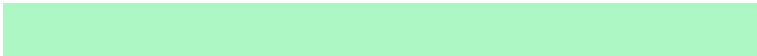
66.5709, 37.5774, 28.2684

Sweetspot

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



19.4211, 37.5789, 10.3682



60.6051, 79.6252, 64.4403



28.4157, 42.3071, 6.6684



12.6471, 17.1644, 13.2041



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.



19.4211, 37.5789, 10.3682



34.6867, 67.2633, 18.0676



24.3651, 39.5565, 36.4027



9.5269, 10.6969, 10.7581



12.7949, 24.7083, 6.9829



0.5314, 0.9799, 0.4326

Inverse Universe

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



25.6515, 12.7427, 22.9370



45.8262, 22.7758, 40.4785



21.8398, 11.2181, 2.8650



9.8010, 9.6447, 11.3413



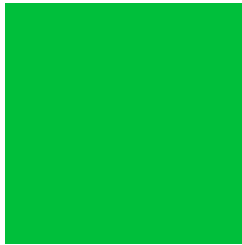
16.8946, 8.3890, 15.2703



0.6898, 0.3398, 0.7459

Previews

White Background



This preview shows how the XYZ color 19.4202, 37.5774, 10.3673 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 19.4202, 37.5774, 10.3673 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 19.4202, 37.5774, 10.3673

Background



This preview shows how black text looks on a background with the XYZ color 19.4202, 37.5774, 10.3673.



This preview shows how white text looks on a background with the XYZ color 19.4202, 37.5774,

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

19.4202, 37.5774, 10.3673

Protanopia

33.4237, 36.8661, 8.6031

Deuteranopia

37.6544, 36.9284, 11.1045



Tritanopia

28.6879, 37.3107, 56.1418

Trichromacy



Original Color

19.4202, 37.5774, 10.3673



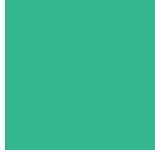
Protanomaly

23.0281, 34.2609, 9.0137



Deuteranomaly

24.2543, 33.4483, 10.4880



Tritanomaly

23.2829, 36.5587, 32.2150

Monochromacy



Original Color

19.4202, 37.5774, 10.3673



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.2636, 22.6504, 14.8767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4202, 37.5774, 10.3673 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 59) }
```

Border

The CSS property to change the border of an element to XYZ 19.4202, 37.5774, 10.3673 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, 59) }
```


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

```
.border{ border-color:rgb(0, 191, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4202, 37.5774, 10.3673 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, 59) }
```

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

```
.background{ background-color: rgb(0, 191,  
59) }
```

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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