

Converting Colors

XYZ(19.0784, 37.5280, 8.2983)

Have a look what the booklet for
XYZ(19.0784, 37.5280, 8.2983)
contains.

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Color

**XYZ(19.0310, 37.4217,
8.3179)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF29
RGB	0, 191, 41
RGB Percent	0%, 75%, 16%
CMY	1.0000, 0.2510, 0.8392
CMYK	1.00, 0.00, 0.79, 0.25
HSL	133°, 100%, 37%
HSV	133°, 100%, 75%
XYZ	19.0310, 37.4217, 8.3179
YIQ	116.7910, -65.6860, -87.1420

Conversions

Conversions Part 2

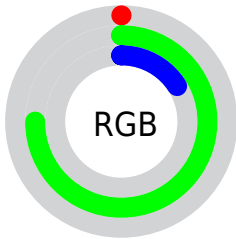
Format	Color
RYB	0, 157, 191
Decimal	48937
CIELab	67.59, -67.80, 59.26
CIELCh	68, 90.048, 138.844
Yxy	37.4217, 0.2938, 0.5778
Android (android.graphics.Color)	4278239017 (0xFF00BF29)
YUV	116.7910, -37.3650, -102.4257
Hunter-Lab	61.1733, -51.5219, 34.7595

Details

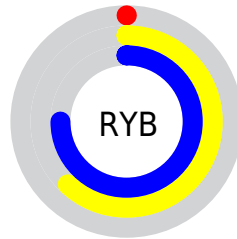
The XYZ color **19.0310, 37.4217, 8.3179** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.9915, 13.2787, 29.9933**, and the grayscale version is **16.9712, 17.8550, 19.4441**.

A 20% lighter version of the original color is **41.3358, 71.3425, 23.1471**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.0319, 37.4233, 8.3187**, and if you desaturate by 10%, it is **19.6160, 37.6882, 9.9829**.

Distribution



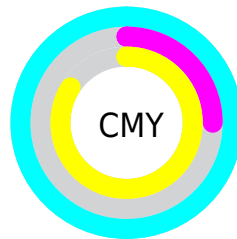
- Red (0%)
- Green (75%)
- Blue (16%)



- Red (0%)
- Yellow (62%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0310, 37.4217, 8.3179 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 19.0310, 37.4217, 8.3179 by changing the saturation by 10% instead.


 19.0310, 37.4217,
8.3179


 19.0310, 37.4217,
8.3179


239.5547,
335.1327, 188.2314


 11.7968, 25.5342,
4.2084


 41.3029, 71.2209,
23.1357


 6.6767, 16.4755,
1.7403


 57.0714, 93.9013,
34.6811


 3.3053, 9.8612,
0.3882


 76.4154, 120.9482,
49.5421

 1.3172, 5.3070,
0.0000

 99.7001, 152.7459,
68.1373

 0.1960, 2.4285,
0.0000

 127.2911,
189.6788, 90.8853

 0.0000, 0.8405,
0.0000

 159.5536,

 0.0000, 0.0000,

232.1313, 118.2047

0.0000

196.8530,
280.4878, 150.5138

■ 19.0310, 37.4217,
8.3179

■ 19.0310, 37.4217,
8.3179

■ 19.0319, 37.4233,
8.3187

■ 19.6160, 37.6882,
9.9829

■ 20.5758, 38.1340,
12.2384

■ 22.0161, 38.8138,
15.1367

■ 23.9933, 39.7558,
18.7223

■ 26.5558, 40.9840,
23.0356

■ 29.7466, 42.5199,
28.1137

■ 33.6044, 44.3825,
33.9915

■ 38.1646, 46.5896,
40.7013

■ 43.4604, 49.1576,
48.2740

Harmonies

Analogous

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



27.6316, 37.4217, 2.7814



19.0310, 37.4217, 8.3179



15.2956, 37.4217, 27.6830

Triad

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



19.0310, 37.4217, 8.3179



30.6539, 37.4217, 170.9925



67.2464, 37.4217, 20.7214

Complementary

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



19.0310, 37.4217, 8.3179



26.9915, 13.2787, 29.9933

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.



68.6711, 37.4217, 57.3816



19.0310, 37.4217, 8.3179



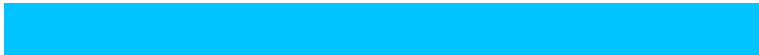
44.8954, 37.4217, 164.1899

Square

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



19.0310, 37.4217, 8.3179



20.7463, 37.4217, 129.5407



59.6616, 37.4217, 114.5086



56.1633, 37.4217, 6.0518

Rectangle

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



19.0310, 37.4217, 8.3179



15.1893, 37.4217, 53.6513



59.6616, 37.4217, 114.5086



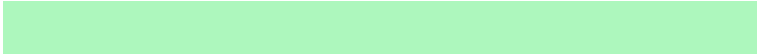
68.9614, 37.4217, 30.0961

Sweetspot

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



19.0319, 37.4233, 8.3187



59.8271, 79.3140, 60.3433



31.7312, 44.0163, 6.8236



12.4624, 17.0905, 12.2314



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.



19.0319, 37.4233, 8.3187



34.0129, 66.9938, 14.5191



22.9139, 38.9761, 28.7610



9.4904, 10.6823, 10.5658



12.5318, 24.6030, 5.5974



0.5156, 0.9736, 0.3494

Inverse Universe

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



26.9915, 13.2787, 29.9933



48.2466, 23.7440, 53.2243



22.2328, 11.3752, 4.9342



9.8399, 9.6602, 11.5457



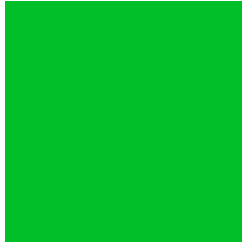
17.7683, 8.7385, 19.8713



0.7183, 0.3512, 0.8957

Previews

White Background



This preview shows how the XYZ color 19.0310, 37.4217, 8.3179 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 19.0310, 37.4217, 8.3179 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 19.0310, 37.4217, 8.3179

Background



This preview shows how black text looks on a background with the XYZ color 19.0310, 37.4217, 8.3179.



This preview shows how white text looks on a background with the XYZ color 19.0310, 37.4217,

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

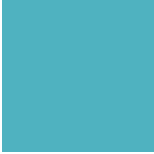
19.0310, 37.4217, 8.3179

Protanopia

33.3314, 36.8568, 6.8707

Deuteranopia

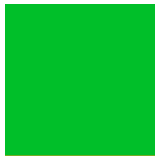
37.3617, 36.5755, 8.9615



Tritanopia

28.6593, 37.3088, 55.5600

Trichromacy



Original Color

19.0310, 37.4217, 8.3179



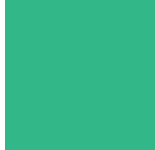
Protanomaly

22.8061, 34.1876, 7.1471



Deuteranomaly

23.8061, 32.9901, 8.2450



Tritanomaly

22.7642, 36.3512, 29.4836

Monochromacy



Original Color

19.0310, 37.4217, 8.3179



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.6005, 22.1236, 12.9520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0310, 37.4217, 8.3179 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 41) }
```

Border

The CSS property to change the border of an element to XYZ 19.0310, 37.4217, 8.3179 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, 41) }
```


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

```
.border{ border-color:rgb(0, 191, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0310, 37.4217, 8.3179 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, 41) }
```

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

```
.background{ background-color: rgb(0, 191,  
41) }
```

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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