

Converting Colors

XYZ(19.0910, 37.5799, 6.2474)

Have a look what the booklet for
XYZ(19.0910, 37.5799, 6.2474)
contains.

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Color

**XYZ(19.0317, 37.4683,
6.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	19BF00
RGB	25, 191, 0
RGB Percent	10%, 75%, 0%
CMY	0.9020, 0.2510, 0.9999
CMYK	0.87, 0.00, 1.00, 0.25
HSL	112°, 100%, 37%
HSV	112°, 100%, 75%
XYZ	19.0317, 37.4683, 6.2290
YIQ	119.5920, -37.6250, -94.5930

Conversions

Conversions Part 2

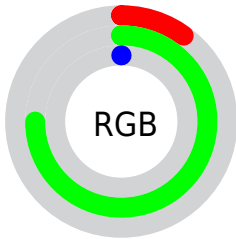
Format	Color
RYB	0, 191, 166
Decimal	1687296
CIELab	67.63, -67.94, 67.12
CIELCh	68, 95.507, 135.350
Yxy	37.4683, 0.3034, 0.5973
Android (android.graphics.Color)	4279877376 (0xFF19BF00)
YUV	119.5920, -58.9589, -82.9572
Hunter-Lab	61.2114, -51.6210, 36.8145

Details

The XYZ color **19.0317, 37.4683, 6.2290** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **25.1354, 11.8717, 50.2590**, and the grayscale version is **17.9144, 18.8474, 20.5248**.

A 20% lighter version of the original color is **41.3504, 71.4417, 19.0074**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.0320, 37.4696, 6.2293**, and if you desaturate by 10%, it is **19.6888, 37.7945, 6.8788**.

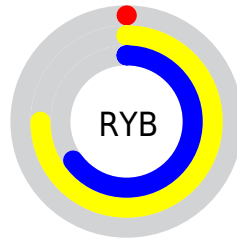
Distribution



Red (10%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (65%)

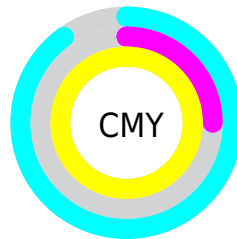


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (90%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0317, 37.4683, 6.2290 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 19.0317, 37.4683, 6.2290 by changing the saturation by 10% instead.

■ 19.0317, 37.4683,
6.2290

■ 19.0317, 37.4683,
6.2290

239.5585,
335.3336, 170.4743

■ 11.7973, 25.5703,
2.9138

■ 41.3041, 71.2924,
18.8902

■ 6.6770, 16.5024,
1.0508

■ 57.0729, 93.9874,
29.0733

■ 3.3055, 9.8804,
0.0000

■ 76.4171, 121.0500,
42.3827

■ 1.3173, 5.3197,
0.0000

■ 99.7023, 152.8649,
59.2370

■ 0.1961, 2.4361,
0.0000

■ 127.2936,
189.8162, 80.0548

■ 0.0000, 0.8443,
0.0000

■ 159.5565,

■ 0.0000, 0.0000,

232.2886, 105.2546

0.0000

196.8563,
280.6662, 135.2549

■ 19.0317, 37.4683,
6.2290

■ 19.0317, 37.4683,
6.2290

■ 19.0320, 37.4696,
6.2293

■ 19.6888, 37.7945,
6.8788

■ 20.7418, 38.3102,
8.1538

■ 22.2646, 39.0498,
10.2768

■ 24.3054, 40.0358,
13.3611

■ 26.9064, 41.2876,
17.5023

■ 30.1052, 42.8231,
22.7846

■ 33.9362, 44.6581,
29.2839

■ 38.4311, 46.8077,
37.0693

■ 43.6194, 49.2855,
46.2048

Harmonies

Analogous

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



28.6325, 37.4683, 1.9230



19.0317, 37.4683, 6.2290



14.6460, 37.4683, 23.5355

Triad

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



19.0317, 37.4683, 6.2290



28.9220, 37.4683, 180.2353



70.4792, 37.4683, 22.8795

Complementary

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



19.0317, 37.4683, 6.2290



25.1354, 11.8717, 50.2590

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.



70.6202, 37.4683, 64.9282



19.0317, 37.4683, 6.2290



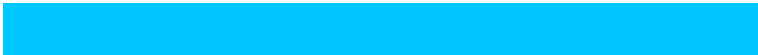
43.6435, 37.4683, 179.5469

Square

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



19.0317, 37.4683, 6.2290



19.1930, 37.4683, 129.9183



59.7852, 37.4683, 128.4102



59.4408, 37.4683, 6.0313

Rectangle

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



19.0317, 37.4683, 6.2290



14.2096, 37.4683, 48.8314



59.7852, 37.4683, 128.4102



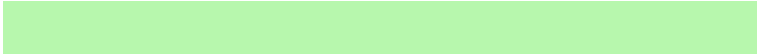
71.8858, 37.4683, 33.6954

Sweetspot

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



19.0326, 37.4699, 6.2298



60.4177, 79.8075, 51.8288



35.0394, 38.1820, 5.5236



12.5982, 17.2047, 10.2401



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.



19.0326, 37.4699, 6.2298



33.9746, 67.0486, 11.1510



19.7388, 37.7061, 12.0398



9.5217, 10.7078, 10.1416



12.5464, 24.6438, 4.0955



0.5297, 0.9850, 0.1622

Inverse Universe

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



25.1354, 11.8717, 50.2590



44.8662, 21.1837, 90.0033



24.9367, 12.4571, 19.1716



9.8039, 9.6313, 12.0145



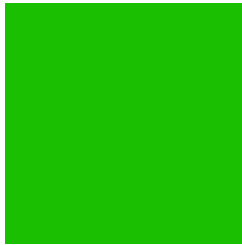
16.5659, 7.8261, 33.0304



0.6835, 0.3244, 1.2954

Previews

White Background



This preview shows how the XYZ color 19.0317, 37.4683, 6.2290 looks on a white background.

Color Contrast Check

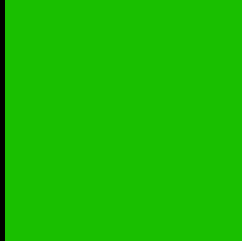
Large Text (above 18pt) WCAG AA × Fail

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 19.0317, 37.4683, 6.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

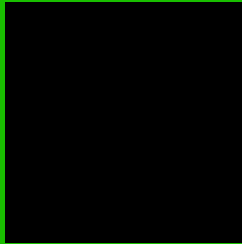
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.0317, 37.4683, 6.2290

Background



This preview shows how black text looks on a background with the XYZ color 19.0317, 37.4683, 6.2290.



This preview shows how white text looks on a background with the XYZ color 19.0317, 37.4683,

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

19.0317, 37.4683, 6.2290

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

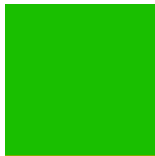
37.2984, 36.5819, 7.1930



Tritanopia

29.0021, 37.4856, 55.5760

Trichromacy



Original Color

19.0317, 37.4683, 6.2290



Protanomaly

23.7402, 34.7077, 5.4480



Deuteranomaly

25.0043, 33.6553, 6.1555



Tritanomaly

22.4329, 36.2962, 24.2359

Monochromacy



Original Color

19.0317, 37.4683, 6.2290



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.3297, 23.0109, 10.4711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0317, 37.4683, 6.2290 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(25, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(25, 191, 0)  
}
```

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(25, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.0317, 37.4683, 6.2290 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(25, 191, 0) }
```


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

```
.border{ border-color:rgb(25, 191, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(25, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(25, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.0317, 37.4683, 6.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 191, 0) }
```

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

```
.background{ background-color: rgb(25, 191,  
0) }
```

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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