

Converting Colors

XYZ(19.6052, 37.7390, 11.0688)

Have a look what the booklet for
XYZ(19.6052, 37.7390, 11.0688)
contains.

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Color

**XYZ(19.5562, 37.6318,
11.0834)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF40
RGB	0, 191, 64
RGB Percent	0%, 75%, 25%
CMY	1.0000, 0.2510, 0.7490
CMYK	1.00, 0.00, 0.66, 0.25
HSL	140°, 100%, 37%
HSV	140°, 100%, 75%
XYZ	19.5562, 37.6318, 11.0834
YIQ	119.4130, -73.0690, -79.9890

Conversions

Conversions Part 2

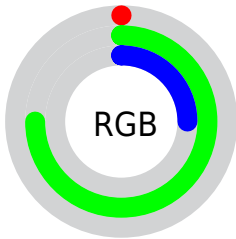
Format	Color
RYB	0, 143, 191
Decimal	48960
CIELab	67.75, -65.81, 51.01
CIELCh	68, 83.261, 142.218
Yxy	37.6318, 0.2864, 0.5512
Android (android.graphics.Color)	4278239040 (0xFF00BF40)
YUV	119.4130, -27.3186, -104.7252
Hunter-Lab	61.3448, -50.4490, 32.2292

Details

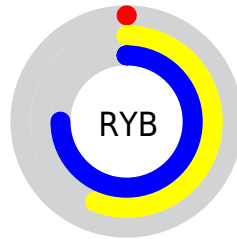
The XYZ color **19.5562, 37.6318, 11.0834** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.3176, 12.6092, 21.1784**, and the grayscale version is **17.7671, 18.6923, 20.3560**.

A 20% lighter version of the original color is **42.2322, 71.6884, 28.4410**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.5571, 37.6333, 11.0841**, and if you desaturate by 10%, it is **20.2312, 37.9342, 13.2222**.

Distribution



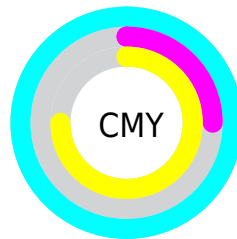
- Red (0%)
- Green (75%)
- Blue (25%)



- Red (0%)
- Yellow (56%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5562, 37.6318, 11.0834 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 19.5562, 37.6318, 11.0834 by changing the saturation by 10% instead.


 19.5562, 37.6318,
11.0834


 19.5562, 37.6318,
11.0834


242.3819,
336.0378, 208.9968


 12.1792, 25.6970,
6.0081


 42.1815, 71.5434,
28.4533


 6.9389, 16.5971,
2.7811


 58.1606, 94.2891,
41.5849


 3.4699, 9.9477,
0.9840


 77.7377, 121.4072,
58.2391

 1.4069, 5.3643,
0.0000

 101.2783,
153.2821, 78.8344

 0.2611, 2.4625,
0.0000

 129.1476,
190.2982, 103.7892

 0.0000, 0.8578,
0.0000

161.7111,

 0.0000, 0.0000,

232.8400, 133.5222

0.0000

199.3341,
281.2917, 168.4519

■ 19.5562, 37.6318,
11.0834

■ 19.5562, 37.6318,
11.0834

■ 19.5571, 37.6333,
11.0841

■ 20.2312, 37.9342,
13.2222

■ 21.2585, 38.4071,
15.8332

■ 22.7396, 39.1033,
18.9466

■ 24.7274, 40.0495,
22.5876

■ 27.2670, 41.2685,
26.7798

■ 30.3984, 42.7806,
31.5452

■ 34.1578, 44.6039,
36.9046

■ 38.5781, 46.7550,
42.8777

■ 43.6903, 49.2495,
49.4832

Harmonies

Analogous

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



27.2018, 37.6318, 4.1514



19.5562, 37.6318, 11.0834



16.4231, 37.6318, 32.1069

Triad

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



19.5562, 37.6318, 11.0834



32.5203, 37.6318, 158.9667



63.9205, 37.6318, 19.5915

Complementary

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



19.5562, 37.6318, 11.0834



25.3176, 12.6092, 21.1784

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.



66.3204, 37.6318, 51.3411



19.5562, 37.6318, 11.0834



45.9665, 37.6318, 147.8539

Square

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



19.5562, 37.6318, 11.0834



22.6466, 37.6318, 126.4046



59.1113, 37.6318, 101.5486



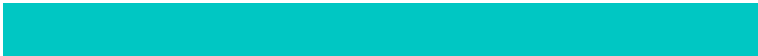
53.1746, 37.6318, 6.6061

Rectangle

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



19.5562, 37.6318, 11.0834



16.6219, 37.6318, 57.8804



59.1113, 37.6318, 101.5486



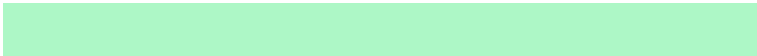
65.8196, 37.6318, 27.7300

Sweetspot

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



19.5571, 37.6333, 11.0843



60.8278, 79.7143, 65.6127



27.4341, 41.8010, 6.6225



12.7003, 17.1856, 13.4840



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.



19.5571, 37.6333, 11.0843



34.9248, 67.3585, 19.3209



24.9043, 39.7722, 39.2424



9.5371, 10.7010, 10.8120



12.8860, 24.7447, 7.4625



0.5358, 0.9817, 0.4557

Inverse Universe

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



25.3176, 12.6092, 21.1784



45.2243, 22.5351, 37.3091



21.7452, 11.1802, 2.3667



9.7904, 9.6404, 11.2850



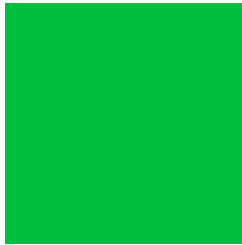
16.6763, 8.3017, 14.1211



0.6825, 0.3369, 0.7072

Previews

White Background



This preview shows how the XYZ color 19.5562, 37.6318, 11.0834 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 19.5562, 37.6318, 11.0834 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 19.5562, 37.6318, 11.0834

Background



This preview shows how black text looks on a background with the XYZ color 19.5562, 37.6318, 11.0834.



This preview shows how white text looks on a background with the XYZ color 19.5562, 37.6318,

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

19.5562, 37.6318, 11.0834

Protanopia

33.5424, 36.9136, 9.2281

Deuteranopia

37.5156, 36.8415, 11.7904



Tritanopia

28.8063, 37.6682, 56.2045

Trichromacy



Original Color

19.5562, 37.6318, 11.0834



Protanomaly

23.1541, 34.3114, 9.6774



Deuteranomaly

24.3786, 33.4980, 11.1421



Tritanomaly

23.3884, 36.5953, 33.0250

Monochromacy



Original Color

19.5562, 37.6318, 11.0834



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.3580, 22.6881, 15.3742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5562, 37.6318, 11.0834 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 64) }
```

Border

The CSS property to change the border of an element to XYZ 19.5562, 37.6318, 11.0834 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, 64) }
```


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

```
.border{ border-color:rgb(0, 191, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5562, 37.6318, 11.0834 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, 64) }
```

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

```
.background{ background-color: rgb(0, 191,  
64) }
```

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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