

Converting Colors

XYZ(19.4992, 37.6963, 10.5141)

Have a look what the booklet for
XYZ(19.4992, 37.6963, 10.5141)
contains.

XYZ(19.4464, 37.5878, 10.5052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.4464, 37.5878,
10.5052)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF3C
RGB	0, 191, 60
RGB Percent	0%, 75%, 24%
CMY	1.0000, 0.2510, 0.7647
CMYK	1.00, 0.00, 0.69, 0.25
HSL	139°, 100%, 37%
HSV	139°, 100%, 75%
XYZ	19.4464, 37.5878, 10.5052
YIQ	118.9570, -71.7850, -81.2330

Conversions

Conversions Part 2

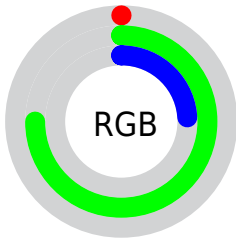
Format	Color
RYB	0, 145, 191
Decimal	48956
CIELab	67.72, -66.22, 52.61
CIELCh	68, 84.572, 141.534
Yxy	37.5878, 0.2879, 0.5565
Android (android.graphics.Color)	4278239036 (0xFF00BF3C)
YUV	118.9570, -29.0658, -104.3253
Hunter-Lab	61.3089, -50.6726, 32.7570

Details

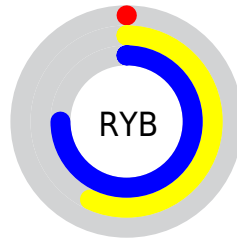
The XYZ color **19.4464, 37.5878, 10.5052** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.5837, 12.7157, 22.5800**, and the grayscale version is **17.6274, 18.5454, 20.1960**.

A 20% lighter version of the original color is **42.0585, 71.6189, 27.5267**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.4472, 37.5893, 10.5056**, and if you desaturate by 10%, it is **20.1082, 37.8850, 12.5742**.

Distribution



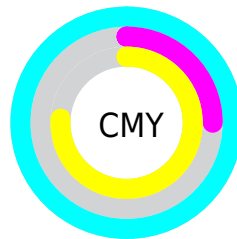
- Red (0%)
- Green (75%)
- Blue (24%)



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



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



- Cyan (100%)
- Magenta (25%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4464, 37.5878, 10.5052 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 19.4464, 37.5878, 10.5052 by changing the saturation by 10% instead.

■ 19.4464, 37.5878,
10.5052

■ 19.4464, 37.5878,
10.5052

241.7933,
335.8484, 204.8548

■ 12.0992, 25.6629,
5.6252

■ 41.9981, 71.4759,
27.3640

■ 6.8839, 16.5716,
2.5535

■ 57.9334, 94.2079,
40.1799

■ 3.4353, 9.9296,
0.8683

■ 77.4620, 121.3111,
56.4783

■ 1.3879, 5.3523,
0.0000

■ 100.9493,
153.1699, 76.6775

■ 0.2476, 2.4554,
0.0000

■ 128.7608,
190.1686, 101.1963

■ 0.0000, 0.8542,
0.0000

161.2617,

■ 0.0000, 0.0000,

232.6916, 130.4530

0.0000

198.8174,
281.1235, 164.8664

■ 19.4464, 37.5878,
10.5052

■ 19.4464, 37.5878,
10.5052

■ 19.4472, 37.5893,
10.5056

■ 20.1082, 37.8850,
12.5742

■ 21.1264, 38.3542,
15.1370

■ 22.6031, 39.0486,
18.2268

■ 24.5916, 39.9951,
21.8715

■ 27.1377, 41.2167,
26.0971

■ 30.2816, 42.7338,
30.9277

■ 34.0598, 44.5647,
36.3863

■ 38.5059, 46.7262,
42.4944

■ 43.6510, 49.2338,
49.2726

Harmonies

Analogous

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



27.2762, 37.5878, 3.8544



19.4464, 37.5878, 10.5052



16.1948, 37.5878, 31.2232

Triad

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



19.4464, 37.5878, 10.5052



32.1542, 37.5878, 161.2889



64.5566, 37.5878, 19.7924

Complementary

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



19.4464, 37.5878, 10.5052



25.5837, 12.7157, 22.5800

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.



66.7768, 37.5878, 52.4574



19.4464, 37.5878, 10.5052



45.7624, 37.5878, 150.9450

Square

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



19.4464, 37.5878, 10.5052



22.2679, 37.5878, 127.0487



59.2243, 37.5878, 103.9690



53.7404, 37.5878, 6.4885

Rectangle

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



19.4464, 37.5878, 10.5052



16.3331, 37.5878, 57.0629



59.2243, 37.5878, 103.9690



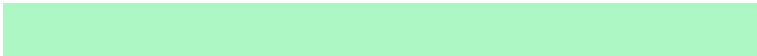
66.4230, 37.5878, 28.1613

Sweetspot

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



19.4473, 37.5893, 10.5061



60.6493, 79.6429, 64.6728



28.4159, 42.3071, 6.6685



12.6577, 17.1686, 13.2596



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.



19.4473, 37.5893, 10.5061



34.7324, 67.2816, 18.3078



24.3651, 39.5565, 36.4030



9.5289, 10.6977, 10.7689



12.8124, 24.7153, 7.0751



0.5323, 0.9803, 0.4372

Inverse Universe

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



25.5837, 12.7157, 22.5800



45.7038, 22.7268, 39.8339



21.8399, 11.2182, 2.8653



9.7989, 9.6439, 11.3301



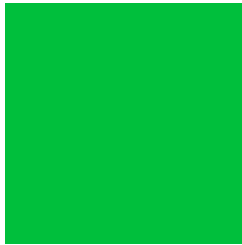
16.8502, 8.3712, 15.0368



0.6883, 0.3392, 0.7381

Previews

White Background



This preview shows how the XYZ color 19.4464, 37.5878, 10.5052 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 19.4464, 37.5878, 10.5052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

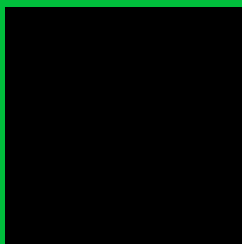
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.4464, 37.5878, 10.5052

Background



This preview shows how black text looks on a background with the XYZ color 19.4464, 37.5878, 10.5052.



This preview shows how white text looks on a background with the XYZ color 19.4464, 37.5878,

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

19.4464, 37.5878, 10.5052

Protanopia

33.4465, 36.8752, 8.7230

Deuteranopia

37.6868, 36.9413, 11.2750



Tritanopia

28.6879, 37.3107, 56.1418

Trichromacy



Original Color

19.4464, 37.5878, 10.5052



Protanomaly

23.0523, 34.2706, 9.1413



Deuteranomaly

24.2846, 33.4604, 10.6474



Tritanomaly

23.3597, 36.5894, 32.6193

Monochromacy



Original Color

19.4464, 37.5878, 10.5052



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.3105, 22.6691, 15.1239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4464, 37.5878, 10.5052 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 60) }
```

Border

The CSS property to change the border of an element to XYZ 19.4464, 37.5878, 10.5052 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, 60) }
```


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

```
.border{ border-color:rgb(0, 191, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4464, 37.5878, 10.5052 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, 60) }
```

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

```
.background{ background-color: rgb(0, 191,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor