

Converting Colors

XYZ(19.7866, 36.9586, 13.3608)

Have a look what the booklet for
XYZ(19.7866, 36.9586, 13.3608)
contains.

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Color

**XYZ(19.8413, 37.0837,
13.3199)**

Conversions

Conversions Part 1

Format	Color
Hex	13BD4E
RGB	19, 189, 78
RGB Percent	7%, 74%, 31%
CMY	0.9255, 0.2588, 0.6941
CMYK	0.90, 0.00, 0.59, 0.26
HSL	141°, 82%, 41%
HSV	141°, 90%, 74%
XYZ	19.8413, 37.0837, 13.3199
YIQ	125.5160, -65.6890, -70.5610

Conversions

Conversions Part 2

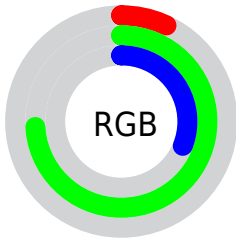
Format	Color
RYB	19, 145, 189
Decimal	1293646
CIELab	67.34, -62.62, 44.41
CIELCh	67, 76.764, 144.657
Yxy	37.0837, 0.2825, 0.5279
Android (android.graphics.Color)	4279483726 (0xFF13BD4E)
YUV	125.5160, -23.4254, -93.4145
Hunter-Lab	60.8964, -48.4097, 29.6589

Details

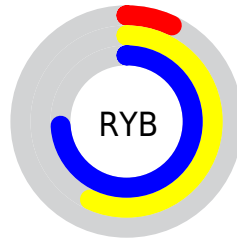
The XYZ color **19.8413, 37.0837, 13.3199** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.2495, 12.8969, 22.2787**, and the grayscale version is **19.7607, 20.7898, 22.6401**.

A 20% lighter version of the original color is **42.7695, 70.9580, 32.5612**, and **8.7006, 17.1204, 3.7657** is the 20% darker color. If you saturate the color by 10%, you get **19.1731, 36.7867, 11.1923**, and if you desaturate by 10%, it is **20.8542, 37.5509, 15.8988**.

Distribution



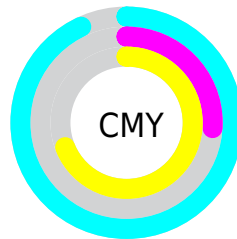
- Red (7%)
- Green (74%)
- Blue (31%)



- Red (7%)
- Yellow (57%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (59%)
- Black (26%)



- Cyan (93%)
- Magenta (26%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8413, 37.0837, 13.3199 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 19.8413, 37.0837, 13.3199 by changing the saturation by 10% instead.

■ 19.8413, 37.0837,
13.3199

■ 19.8413, 37.0837,
13.3199

243.9047,
333.6728, 224.2372

■ 12.3873, 25.2723,
7.5159

■ 42.6569, 70.7015,
32.5769

■ 7.0821, 16.2800,
3.7035

■ 58.7493, 93.2767,
46.8669

■ 3.5603, 9.7225,
1.4641

■ 78.4518, 120.2086,
64.8228

■ 1.4565, 5.2154,
0.1910

■ 102.1299,
151.8816, 86.8629

■ 0.2960, 2.3742,
0.0000

■ 130.1489,
188.6802, 113.4058

■ 0.0000, 0.8126,
0.0000

162.8741,

■ 0.0000, 0.0000,

230.9886, 144.8702

0.0000

200.6709,
279.1913, 181.6744

■ 19.8413, 37.0837,
13.3199

■ 19.8413, 37.0837,
13.3199

■ 19.1731, 36.7867,
11.1923

■ 20.8542, 37.5509,
15.8988

■ 19.1698, 36.7852,
11.1819

■ 22.3069, 38.2337,
18.9534

■ 24.2513, 39.1594,
22.5078

■ 26.7313, 40.3503,
26.5836

■ 29.7855, 41.8257,
31.2012

■ 33.4489, 43.6035,
36.3798

■ 37.7536, 45.6996,
42.1374

■ 42.7293, 48.1292,
48.4916

■ 48.4038, 50.9062,
55.4589

Harmonies

Analogous

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



26.6356, 37.0837, 5.4984



19.8413, 37.0837, 13.3199



17.1962, 37.0837, 34.6466

Triad

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



19.8413, 37.0837, 13.3199



33.1844, 37.0837, 145.1603



60.0294, 37.0837, 18.9503

Complementary

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



19.8413, 37.0837, 13.3199



25.2495, 12.8969, 22.2787

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.



62.8714, 37.0837, 46.7087



19.8413, 37.0837, 13.3199



45.5391, 37.0837, 132.3684

Square

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



19.8413, 37.0837, 13.3199



23.7249, 37.0837, 119.5104



57.0784, 37.0837, 90.5738



50.0006, 37.0837, 7.2526

Rectangle

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



19.8413, 37.0837, 13.3199



17.5941, 37.0837, 59.0657



57.0784, 37.0837, 90.5738



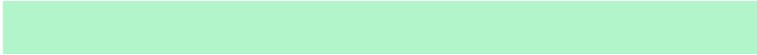
61.9389, 37.0837, 26.1170

Sweetspot

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



19.8422, 37.0852, 13.3207



61.7325, 78.9797, 67.6469



27.8843, 41.3764, 7.1330



12.7461, 16.7269, 13.8235



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.8422, 37.0852, 13.3207



34.2301, 65.8391, 19.4902



24.8709, 39.0967, 39.8014



9.5418, 10.7028, 10.8367



12.9304, 24.7624, 7.6963



0.5378, 0.9825, 0.4665

Inverse Universe

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



25.2495, 12.8969, 22.2787



43.9176, 21.9090, 35.0983



21.7399, 11.4931, 3.7976



9.7855, 9.6385, 11.2593



16.5800, 8.2631, 13.6136



0.6792, 0.3356, 0.6899

Previews

White Background



This preview shows how the XYZ color 19.8413, 37.0837, 13.3199 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 19.8413, 37.0837, 13.3199 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 19.8413, 37.0837, 13.3199

Background



This preview shows how black text looks on a background with the XYZ color 19.8413, 37.0837, 13.3199.



This preview shows how white text looks on a background with the XYZ color 19.8413, 37.0837,

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

19.8413, 37.0837, 13.3199

Protanopia

33.2587, 36.4603, 11.0790

Deuteranopia

37.0360, 36.2894, 14.2851



Tritanopia

28.2171, 36.7866, 55.4825

Trichromacy



Original Color

19.8413, 37.0837, 13.3199



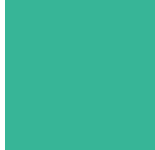
Protanomaly

23.9812, 34.1237, 11.6259



Deuteranomaly

25.2505, 33.3459, 13.4931



Tritanomaly

23.6853, 36.0943, 34.9967

Monochromacy



Original Color

19.8413, 37.0837, 13.3199



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.4382, 24.6253, 18.3021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8413, 37.0837, 13.3199 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(19, 189, 78)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 78)  
}
```

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(19, 189, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 78) }
```

Border

The CSS property to change the border of an element to XYZ 19.8413, 37.0837, 13.3199 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(19, 189, 78) }
```


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

```
.border{ border-color:rgb(19, 189, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 189, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 189, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 189, 78);  
box-shadow:4px 4px 4px 4px rgb(19, 189,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8413, 37.0837, 13.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 189, 78) }
```

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

```
.background{ background-color: rgb(19, 189,  
78) }
```

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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