

Converting Colors

XYZ(19.5650, 37.7992, 7.5334)

Have a look what the booklet for
XYZ(19.5650, 37.7992, 7.5334)
contains.

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Color

**XYZ(19.5053, 37.6839,
7.5420)**

Conversions

Conversions Part 1

Format	Color
Hex	21BF1F
RGB	33, 191, 31
RGB Percent	13%, 75%, 12%
CMY	0.8706, 0.2510, 0.8784
CMYK	0.83, 0.00, 0.84, 0.25
HSL	119°, 72%, 44%
HSV	119°, 84%, 75%
XYZ	19.5053, 37.6839, 7.5420
YIQ	125.5180, -42.8080, -83.2560

Conversions

Conversions Part 2

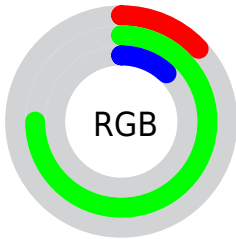
Format	Color
RYB	31, 191, 189
Decimal	2211615
CIELab	67.79, -66.23, 62.32
CIELCh	68, 90.942, 136.740
Yxy	37.6839, 0.3013, 0.5822
Android (android.graphics.Color)	4280401695 (0xFF21BF1F)
YUV	125.5180, -46.5974, -81.1383
Hunter-Lab	61.3872, -50.7107, 35.6867

Details

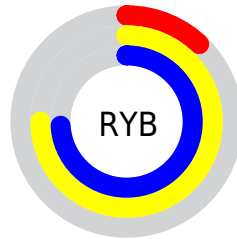
The XYZ color **19.5053, 37.6839, 7.5420** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **30.8842, 15.5627, 50.6684**, and the grayscale version is **19.8318, 20.8646, 22.7216**.

A 20% lighter version of the original color is **42.1944, 71.8217, 21.5366**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.8806, 37.3840, 6.5656**, and if you desaturate by 10%, it is **20.6187, 38.2208, 9.3206**.

Distribution



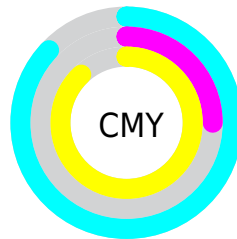
- Red (13%)
- Green (75%)
- Blue (12%)



- Red (12%)
- Yellow (75%)
- Blue (74%)



- Cyan (83%)
- Magenta (0%)
- Yellow (84%)
- Black (25%)





- Cyan (87%)
- Magenta (25%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5053, 37.6839, 7.5420 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 19.5053, 37.6839, 7.5420 by changing the saturation by 10% instead.


 19.5053, 37.6839,
7.5420


 19.5053, 37.6839,
7.5420


242.1092,
336.2620, 181.8926


 12.1421, 25.7374,
3.7198


 42.0965, 71.6234,
21.5867


 6.9134, 16.6273,
1.4729


 58.0553, 94.3852,
32.6463

 3.4539, 9.9691,
0.1976


 77.6099, 121.5209,
46.9554

 1.3981, 5.3785,
0.0000

 101.1258,
153.4150, 64.9325

 0.2549, 2.4710,
0.0000

 128.9684,
190.4517, 86.9963

 0.0000, 0.8621,
0.0000

 161.5029,

 0.0000, 0.0000,

233.0155, 113.5652

0.0000

199.0947,
281.4908, 145.0578

■ 19.5053, 37.6839,
7.5420

■ 19.5053, 37.6839,
7.5420

■ 18.8806, 37.3840,
6.5656

■ 20.6187, 38.2208,
9.3206

■ 18.6613, 37.2785,
6.2119

■ 22.2906, 39.0246,
12.0220

■ 24.5823, 40.1259,
15.7493

■ 27.5462, 41.5498,
20.5913

■ 31.2295, 43.3188,
26.6271

■ 35.6749, 45.4535,
33.9287

■ 40.9218, 47.9727,
42.5624

■ 47.0070, 50.8941,
52.5898

■ 53.9648, 54.2341,
64.0687

Harmonies

Analogous

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



28.5757, 37.6839, 2.5703



19.5053, 37.6839, 7.5420



15.4088, 37.6839, 25.7001

Triad

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



19.5053, 37.6839, 7.5420



29.9627, 37.6839, 172.1119



68.4788, 37.6839, 22.5142

Complementary

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



19.5053, 37.6839, 7.5420



30.8842, 15.5627, 50.6684

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.



69.1359, 37.6839, 61.4957



19.5053, 37.6839, 7.5420



44.1896, 37.6839, 168.9637

Square

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



19.5053, 37.6839, 7.5420



20.2904, 37.6839, 127.2896



59.3565, 37.6839, 120.3424



57.7443, 37.6839, 6.5167

Rectangle

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



19.5053, 37.6839, 7.5420



15.1062, 37.6839, 50.8143



59.3565, 37.6839, 120.3424



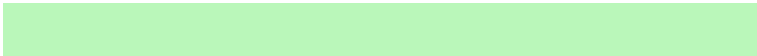
69.9677, 37.6839, 32.5922

Sweetspot

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



19.5062, 37.6855, 7.5428



62.4973, 80.7347, 58.4725



39.7895, 47.2864, 8.3270



13.0847, 17.4217, 11.7898



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.



19.5062, 37.6855, 7.5428



33.4064, 66.7557, 11.1244



21.9218, 38.6446, 20.5860



9.4195, 10.6551, 10.1368



12.2685, 24.5005, 4.0825



0.4844, 0.9617, 0.1601

Inverse Universe

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



30.8842, 15.5627, 50.6684



54.2457, 26.0190, 90.4422



24.9956, 13.2647, 17.0650



9.9179, 9.6901, 12.0198



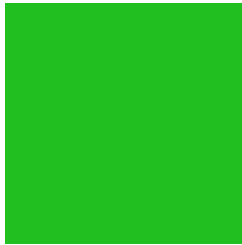
19.9163, 9.5533, 33.1872



0.7839, 0.3762, 1.3001

Previews

White Background



This preview shows how the XYZ color 19.5053, 37.6839, 7.5420 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 19.5053, 37.6839, 7.5420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

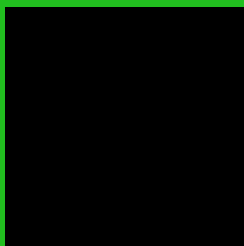
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.5053, 37.6839, 7.5420

Background



This preview shows how black text looks on a background with the XYZ color 19.5053, 37.6839, 7.5420.



This preview shows how white text looks on a background with the XYZ color 19.5053, 37.6839,

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

19.5053, 37.6839, 7.5420

Protanopia

33.4377, 36.9271, 6.1759

Deuteranopia

37.4739, 36.6521, 8.1171



Tritanopia

29.1811, 37.5779, 55.5844

Trichromacy



Original Color

19.5053, 37.6839, 7.5420



Protanomaly

24.5284, 35.0925, 6.4580



Deuteranomaly

25.5940, 33.9305, 7.4858



Tritanomaly

23.4139, 36.7187, 28.0437

Monochromacy



Original Color

19.5053, 37.6839, 7.5420



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.2083, 24.8433, 13.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5053, 37.6839, 7.5420 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(33, 191, 31)` looks like.

```
.text, #text, p{  
    color:rgb(33, 191, 31)  
}
```

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(33, 191, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 191, 31) }
```

Border

The CSS property to change the border of an element to XYZ 19.5053, 37.6839, 7.5420 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(33, 191, 31) }
```


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

```
.border{ border-color:rgb(33, 191, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 191, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 191, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 191, 31);  
box-shadow:4px 4px 4px 4px rgb(33, 191,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5053, 37.6839, 7.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 191, 31) }
```

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

```
.background{ background-color: rgb(33, 191,  
31) }
```

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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