

Converting Colors

XYZ(41.2936, 74.2139, 19.3534)

Have a look what the booklet for
XYZ(41.2936, 74.2139, 19.3534)
contains.

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Color

**XYZ(41.2550, 74.1939,
19.3542)**

Conversions

Conversions Part 1

Format	Color
Hex	59FF4E
RGB	89, 255, 78
RGB Percent	35%, 100%, 31%
CMY	0.6510, 0.0000, 0.6941
CMYK	0.65, 0.00, 0.69, 0.00
HSL	116°, 100%, 65%
HSV	116°, 69%, 100%
XYZ	41.2550, 74.1939, 19.3542
YIQ	185.1880, -42.1190, -90.2390

Conversions

Conversions Part 2

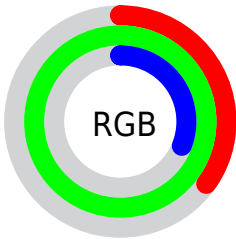
Format	Color
RYB	78, 255, 244
Decimal	5898062
CIELab	89.01, -74.07, 68.61
CIELCh	89, 100.964, 137.195
Yxy	74.1939, 0.3060, 0.5504
Android (android.graphics.Color)	4284088142 (0xFF59FF4E)
YUV	185.1880, -52.8437, -84.3569
Hunter-Lab	86.1359, -65.2448, 46.9730

Details

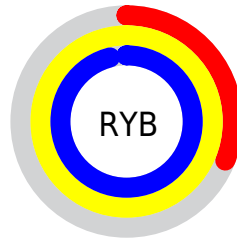
The XYZ color **41.2550, 74.1939, 19.3542** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **58.0848, 31.9036, 97.7044**, and the grayscale version is **46.5210, 48.9437, 53.2997**.

A 20% lighter version of the original color is **53.8435, 80.3372, 35.5905**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.5769, 72.8992, 15.3466**, and if you desaturate by 10%, it is **45.0330, 76.0147, 25.2644**.

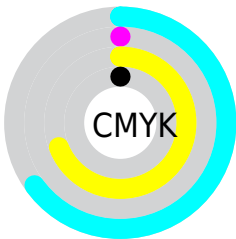
Distribution



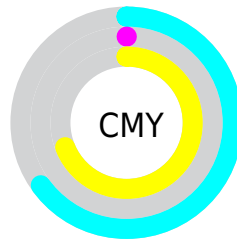
- Red (35%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (96%)



- Cyan (65%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2550, 74.1939, 19.3542 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 41.2550, 74.1939, 19.3542 by changing the saturation by 10% instead.


 41.2550, 74.1939,
19.3542


 41.2550, 74.1939,
19.3542


342.4297,
475.1423, 260.8848

 28.7069, 54.9528,
11.7471


 76.3431, 125.1706,
43.1764


 19.0024, 39.3639,
6.4513


 99.6139, 157.6750,
60.2286

 11.7760, 27.0429,
3.0482


 127.1896,
195.3693, 81.2662

 6.6625, 17.6055,
1.1193

 159.4356,
238.6378, 106.7078

 3.2964, 10.6671,
0.0000

196.7172,
287.8649, 136.9719

 1.3124, 5.8435,
0.0000

239.3999,

 0.1924, 2.7501,

343.4352, 172.4771

0.0000

287.8489,
405.7328, 213.6419

■ 0.0000, 1.0027,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2550, 74.1939,
19.3542

■ 41.2550, 74.1939,
19.3542

■ 38.5769, 72.8992,
15.3466

■ 45.0330, 76.0147,
25.2644

■ 36.8791, 72.0741,
13.0052


■ 50.0120, 78.4094,
33.2696


■ 36.0040, 71.6448,
11.9745

■ 56.2823, 81.4210,
43.5427

■ 35.9710, 71.6288,
11.9299

■ 63.9256, 85.0882,
56.2377

 73.0166, 89.4465,
71.4949

 83.6248, 94.5289,
89.4442

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.4690, 74.1939, 8.2430



41.2550, 74.1939, 19.3542



33.7871, 74.1939, 54.3805

Triad

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



41.2550, 74.1939, 19.3542



60.5687, 74.1939, 297.2149



125.8866, 74.1939, 47.0575

Complementary

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



41.2550, 74.1939, 19.3542



58.0848, 31.9036, 97.7044

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.



127.2680, 74.1939, 114.5928



41.2550, 74.1939, 19.3542



85.4088, 74.1939, 290.8765

Square

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



41.2550, 74.1939, 19.3542



43.0684, 74.1939, 226.0311



111.1142, 74.1939, 211.8086



107.6898, 74.1939, 16.6662

Rectangle

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



41.2550, 74.1939, 19.3542



33.2983, 74.1939, 98.9193



111.1142, 74.1939, 211.8086



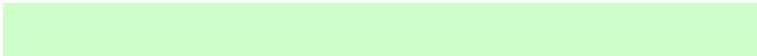
128.4608, 74.1939, 65.0138

Sweetspot

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



41.2553, 74.1940, 19.3554



71.4709, 88.7056, 68.8913



74.7260, 86.0313, 19.8761



14.7427, 18.7206, 13.8124



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.2553, 74.1940, 19.3554



37.8613, 72.5522, 14.3278



44.7939, 75.4966, 43.0913



17.8760, 20.2220, 19.1054



18.8353, 37.4480, 6.2355



1.8689, 3.6642, 0.6088

Inverse Universe

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



58.0848, 31.9036, 97.7044



55.4939, 27.8244, 97.0535



52.0311, 29.9362, 45.3149



18.6747, 18.2395, 22.7863



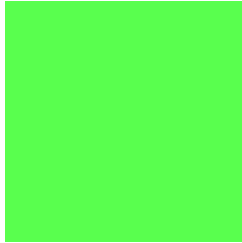
28.1075, 13.4004, 50.5397



2.7691, 1.3215, 4.9224

Previews

White Background



This preview shows how the XYZ color 41.2550, 74.1939, 19.3542 looks on a white background.

Color Contrast Check

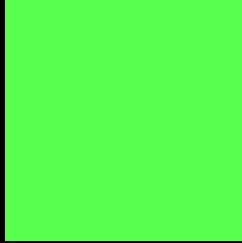
Large Text (above 18pt) WCAG AA × Fail

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 41.2550, 74.1939, 19.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

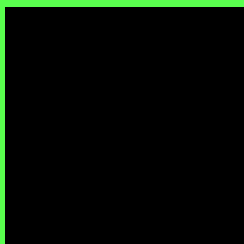
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2550, 74.1939, 19.3542

Background



This preview shows how black text looks on a background with the XYZ color 41.2550, 74.1939, 19.3542.

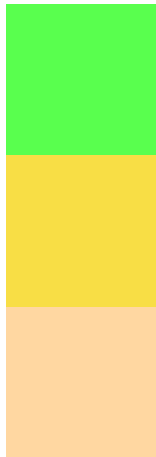


This preview shows how white text looks on a background with the XYZ color 41.2550, 74.1939, 19.3542.

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

41.2550, 74.1939, 19.3542

Protanopia

65.9069, 72.6287, 16.1753

Deuteranopia

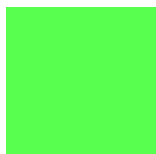
71.9735, 72.4341, 43.9060



Tritanopia

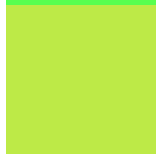
59.4895, 73.5392, 105.6668

Trichromacy



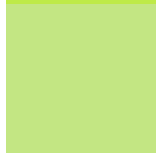
Original Color

41.2550, 74.1939, 19.3542



Protanomaly

51.8277, 70.2607, 16.9609



Deuteranomaly

54.8992, 69.8344, 32.0586



Tritanomaly

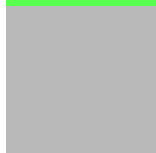
49.9230, 72.6739, 60.6865

Monochromacy



Original Color

41.2550, 74.1939, 19.3542



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

40.8126, 54.6525, 35.5921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2550, 74.1939, 19.3542 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(89, 255, 78)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 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(89, 255, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 78) }
```

Border

The CSS property to change the border of an element to XYZ 41.2550, 74.1939, 19.3542 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(89, 255, 78) }
```


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

```
.border{ border-color:rgb(89, 255, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 255, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 78);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2550, 74.1939, 19.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 78) }
```

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

```
.background{ background-color: rgb(89, 255,  
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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