

# Converting Colors

XYZ(41.4339, 74.2923, 19.0863)

Have a look what the booklet for  
XYZ(41.4339, 74.2923, 19.0863)  
contains.

<b>XYZ(41.4139, 74.2800, 19.1759)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.4139, 74.2800,  
19.1759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BFF4D
RGB	91, 255, 77
RGB Percent	36%, 100%, 30%
CMY	0.6431, 0.0000, 0.6980
CMYK	0.64, 0.00, 0.70, 0.00
HSL	115°, 100%, 65%
HSV	115°, 70%, 100%
XYZ	41.4139, 74.2800, 19.1759
YIQ	185.6720, -40.6060, -90.1260

# Conversions

## Conversions Part 2

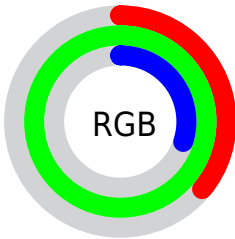
Format	Color
<a href="#">RYB</a>	<a href="#">77, 255, 241</a>
Decimal	<a href="#">6029133</a>
CIELab	<a href="#">89.05, -73.76, 69.02</a>
CIElCh	<a href="#">89, 101.021, 136.902</a>
Yxy	<a href="#">74.2800, 0.3071, 0.5508</a>
Android (android.graphics.Color)	<a href="#">4284219213 (0xFF5BFF4D)</a>
YUV	<a href="#">185.6720, -53.5753, -83.0273</a>
Hunter-Lab	<a href="#">86.1858, -65.0527, 47.1384</a>

# Details

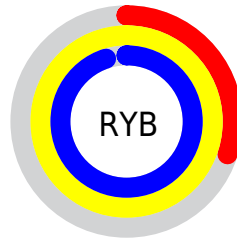
The XYZ color **41.4139, 74.2800, 19.1759** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **56.9822, 31.2305, 97.6325**, and the grayscale version is **46.7951, 49.2321, 53.6138**.

A 20% lighter version of the original color is **54.1636, 80.5103, 35.2396**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.7182, 72.9747, 15.2357**, and if you desaturate by 10%, it is **45.1874, 76.1001, 25.0095**.

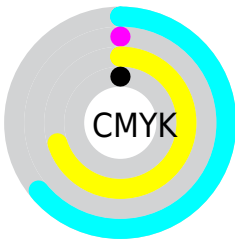
# Distribution



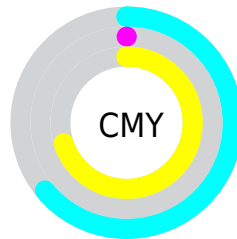
- Red (36%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (95%)



- Cyan (64%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4139, 74.2800, 19.1759 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 41.4139, 74.2800, 19.1759 by changing the saturation by 10% instead.





 41.4139, 74.2800,  
19.1759


 41.4139, 74.2800,  
19.1759


343.0807,  
475.4392, 259.8731

 28.8317, 55.0232,  
11.6194


 76.5826, 125.2926,  
42.8718

 19.0972, 39.4203,  
6.3657


 99.8998, 157.8173,  
59.8482


 11.8450, 27.0869,  
2.9963


 127.5260,  
195.5334, 80.8016

 6.7096, 17.6385,  
1.0928

 159.8267,  
238.8254, 106.1506

 3.3259, 10.6907,  
0.0000

 197.1671,  
288.0775, 136.3137

 1.3284, 5.8593,  
0.0000

239.9127,

 0.2043, 2.7597,

343.6743, 171.7095

0.0000

288.4288,  
406.0000, 212.7564

■ 0.0000, 1.0076,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.4139, 74.2800,  
19.1759

■ 41.4139, 74.2800,  
19.1759

■ 38.7182, 72.9747,  
15.2357

■ 45.1874, 76.1001,  
25.0095

■ 36.9856, 72.1303,  
12.9508


■ 50.1363, 78.4811,  
32.9301


■ 36.0618, 71.6753,  
11.9486

■ 56.3476, 81.4643,  
43.1110

■ 36.0495, 71.6692,  
11.9335

■ 63.9002, 85.0868,  
55.7066

 72.8663, 89.3829,  
70.8577

 83.3131, 94.3845,  
88.6944

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.



57.7353, 74.2800, 8.2035



41.4139, 74.2800, 19.1759



33.8546, 74.2800, 53.9235

# Triad

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



41.4139, 74.2800, 19.1759



60.4249, 74.2800, 297.2449



126.1484, 74.2800, 47.5700

# Complementary

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



41.4139, 74.2800, 19.1759



56.9822, 31.2305, 97.6325

# 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.



127.3473, 74.2800, 115.5856



41.4139, 74.2800, 19.1759



85.2486, 74.2800, 291.7434

# Square

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



41.4139, 74.2800, 19.1759



42.9873, 74.2800, 225.3928



111.0286, 74.2800, 213.0490



108.0567, 74.2800, 16.8446



# Rectangle

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



41.4139, 74.2800, 19.1759



33.3141, 74.2800, 98.2538



111.0286, 74.2800, 213.0490



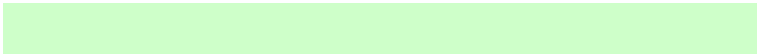
128.6662, 74.2800, 65.6825

# Sweetspot

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



41.4141, 74.2800, 19.1771



71.7149, 88.8315, 68.9027



73.7891, 84.2146, 19.3883



14.7993, 18.7498, 13.8151



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.



41.4141, 74.2800, 19.1771



37.8808, 72.5675, 14.0900



44.4208, 75.3379, 41.5512



17.9038, 20.2363, 19.1067



18.8830, 37.4726, 6.2377



1.8821, 3.6710, 0.6094



# Inverse Universe

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



56.9822, 31.2305, 97.6325



54.1497, 26.9969, 96.9647



52.2180, 29.8981, 46.6465



18.6435, 18.2234, 22.7848



27.3845, 13.0277, 50.5059

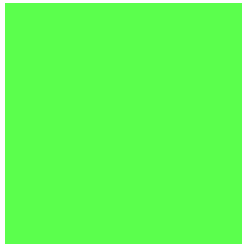


2.7065, 1.2891, 4.9195



# Previews

## White Background



This preview shows how the XYZ color 41.4139, 74.2800, 19.1759 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 41.4139, 74.2800, 19.1759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

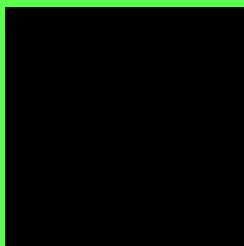
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4139, 74.2800, 19.1759**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4139, 74.2800, 19.1759.



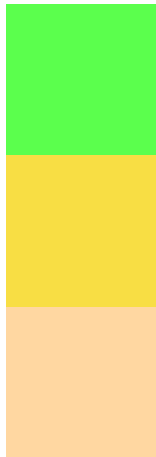
This preview shows how white text looks on a background with the XYZ color 41.4139, 74.2800,



# 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

41.4139, 74.2800, 19.1759

### Protanopia

65.8761, 72.6164, 16.0132

### Deuteranopia

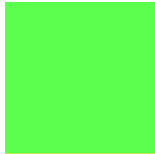
71.9735, 72.4341, 43.9060



## Tritanopia

59.6619, 73.6280, 105.6749

# Trichromacy



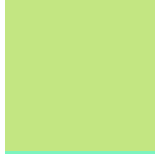
## Original Color

41.4139, 74.2800, 19.1759



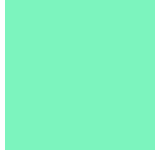
## Protanomaly

52.0460, 70.3769, 16.8022



## Deuteranomaly

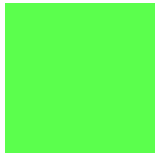
54.8318, 69.8074, 31.7033



## Tritanomaly

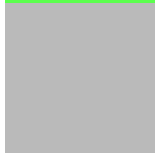
49.9571, 72.7042, 60.1155

# Monochromacy



## Original Color

41.4139, 74.2800, 19.1759



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

41.2451, 55.2432, 35.6833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4139, 74.2800, 19.1759 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(91, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 77)  
}
```

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(91, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4139, 74.2800, 19.1759 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(91, 255, 77) }
```



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

```
.border{ border-color:rgb(91, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4139, 74.2800, 19.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 255, 77) }
```

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

```
.background{ background-color: rgb(91, 255,  
77) }
```

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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