

Converting Colors

XYZ(41.3504, 71.4417, 19.0074)

Have a look what the booklet for
XYZ(41.3504, 71.4417, 19.0074)
contains.

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Color

**XYZ(41.3504, 71.4417,
19.0074)**

Conversions

Conversions Part 1

Format	Color
Hex	6BF94F
RGB	107, 249, 79
RGB Percent	42%, 98%, 31%
CMY	0.5804, 0.0235, 0.6902
CMYK	0.57, 0.00, 0.68, 0.02
HSL	110°, 93%, 64%
HSV	110°, 68%, 98%
XYZ	41.3504, 71.4417, 19.0074
YIQ	187.1620, -30.0620, -82.9740

Conversions

Conversions Part 2

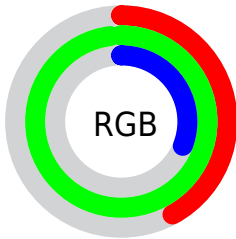
Format	Color
RYB	79, 249, 221
Decimal	7076175
CIELab	87.70, -68.11, 67.02
CIELCh	88, 95.554, 135.466
Yxy	71.4417, 0.3137, 0.5420
Android (android.graphics.Color)	4285266255 (0xFF6BF94F)
YUV	187.1620, -53.3239, -70.3021
Hunter-Lab	84.5232, -60.5899, 45.8332

Details

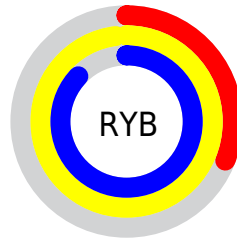
The XYZ color **41.3504, 71.4417, 19.0074** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **49.7179, 27.8064, 92.3732**, and the grayscale version is **47.6312, 50.1117, 54.5717**.

A 20% lighter version of the original color is **56.7815, 81.8436, 36.0973**, and **18.9896, 37.4460, 6.2557** is the 20% darker color. If you saturate the color by 10%, you get **38.4017, 70.0096, 14.9922**, and if you desaturate by 10%, it is **45.2432, 73.3256, 24.8405**.

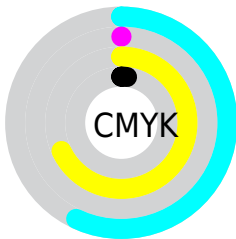
Distribution



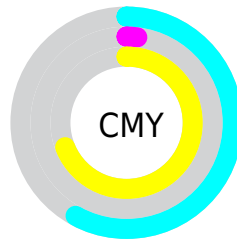
- Red (42%)
- Green (98%)
- Blue (31%)



- Red (31%)
- Yellow (98%)
- Blue (87%)



- Cyan (57%)
- Magenta (0%)
- Yellow (68%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3504, 71.4417, 19.0074 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 41.3504, 71.4417, 19.0074 by changing the saturation by 10% instead.


 41.3504, 71.4417,
19.0074


 41.3504, 71.4417,
19.0074


342.8206,
465.5960, 258.9137


 28.7819, 52.7027,
11.4988


 76.4869, 121.2624,
42.5835

 19.0593, 37.5655,
6.2850


 99.7855, 153.1130,
59.4880

 11.8174, 25.6456,
2.9476


 127.3916,
190.1029, 80.3615

 6.6908, 16.5587,
1.0679

 159.6704,
232.6165, 105.6226

 3.3141, 9.9204,
0.0000

196.9874,
281.0382, 135.6899

 1.3220, 5.3462,
0.0000

239.7078,

 0.1996, 2.4518,

335.7525, 170.9818

0.0000

288.1971,
397.1436, 211.9169

0.0000, 0.8523,
0.0000

0.0000, 0.0000,
0.0000

41.3504, 71.4417,
19.0074

41.3504, 71.4417,
19.0074

38.4017, 70.0096,
14.9922

45.2432, 73.3256,
24.8405

36.3080, 68.9815,
12.5769

50.1484, 75.6862,
32.6674

34.9654, 68.3126,
11.4664

56.1337, 78.5570,
42.6487

34.7918, 68.2258,
11.3352

63.2595, 81.9661,
54.9271

71.5814, 85.9393,
69.6332

81.1515, 90.5009,
86.8879

92.0187, 95.6736,
106.8039

93.1671, 96.2343,
108.2724

Harmonies

Analogous

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



56.9395, 71.4417, 8.8693



41.3504, 71.4417, 19.0074



33.8698, 71.4417, 50.4994

Triad

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



41.3504, 71.4417, 19.0074



57.5505, 71.4417, 271.7461



119.1165, 71.4417, 49.0436

Complementary

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



41.3504, 71.4417, 19.0074



49.7179, 27.8064, 92.3732

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.



119.3835, 71.4417, 113.4718



41.3504, 71.4417, 19.0074



80.1910, 71.4417, 270.5383

Square

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



41.3504, 71.4417, 19.0074



41.7115, 71.4417, 204.8648



103.9173, 71.4417, 202.1396



103.2531, 71.4417, 18.4519

Rectangle

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



41.3504, 71.4417, 19.0074



33.1234, 71.4417, 90.2838



103.9173, 71.4417, 202.1396



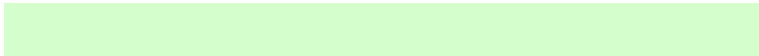
121.1335, 71.4417, 66.5017

Sweetspot

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



41.3521, 71.4447, 19.0090



73.9255, 89.9360, 70.5898



66.2499, 72.2449, 17.8512



15.2797, 18.9906, 14.1451



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.



41.3521, 71.4447, 19.0090



39.5877, 73.4365, 14.6626



41.5227, 71.1851, 34.7222



17.2836, 19.4465, 18.3050



18.7004, 36.5587, 6.0709



1.8056, 3.4239, 0.5657

Inverse Universe

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



49.7179, 27.8064, 92.3732



48.7101, 24.4704, 96.7637



51.4170, 29.5542, 53.0606



17.6960, 17.3714, 21.8056



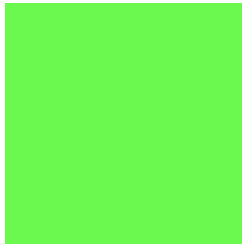
23.1798, 10.8923, 48.8543



2.2191, 1.0461, 4.5281

Previews

White Background



This preview shows how the XYZ color 41.3504, 71.4417, 19.0074 looks on a white background.

Color Contrast Check

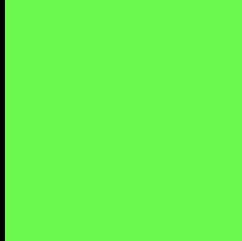
Large Text (above 18pt) WCAG AA × Fail

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 41.3504, 71.4417, 19.0074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

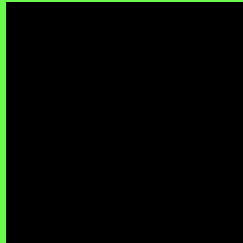
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3504, 71.4417, 19.0074

Background



This preview shows how black text looks on a background with the XYZ color 41.3504, 71.4417, 19.0074.

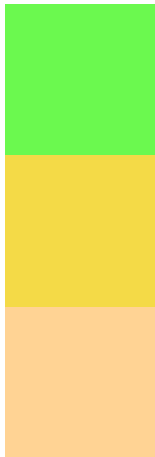


This preview shows how white text looks on a background with the XYZ color 41.3504, 71.4417,

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

41.3504, 71.4417, 19.0074

Protanopia

63.5170, 69.8308, 16.0922

Deuteranopia

69.8796, 69.9866, 37.8427



Tritanopia

57.8792, 71.0825, 101.9365

Trichromacy



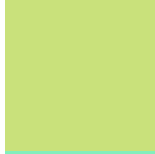
Original Color

41.3504, 71.4417, 19.0074



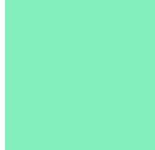
Protanomaly

51.5035, 68.0024, 16.8898



Deuteranomaly

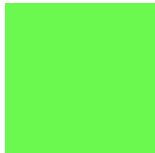
54.5878, 67.6980, 28.9288



Tritanomaly

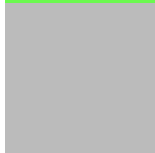
49.1495, 70.1097, 58.5190

Monochromacy



Original Color

41.3504, 71.4417, 19.0074



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.4924, 55.5004, 36.4900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3504, 71.4417, 19.0074 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(107, 249, 79)` looks like.

```
.text, #text, p{  
    color:rgb(107, 249, 79)  
}
```

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(107, 249, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 249, 79) }
```

Border

The CSS property to change the border of an element to XYZ 41.3504, 71.4417, 19.0074 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(107, 249, 79) }
```


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

```
.border{ border-color:rgb(107, 249, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 249, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 249, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 249, 79);  
box-shadow:4px 4px 4px 4px rgb(107, 249,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3504, 71.4417, 19.0074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 249, 79) }
```

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

```
.background{ background-color: rgb(107,  
249, 79) }
```

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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