

Converting Colors

XYZ(41.2308, 71.3800, 19.0018)

Have a look what the booklet for
XYZ(41.2308, 71.3800, 19.0018)
contains.

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Color

**XYZ(41.2308, 71.3800,
19.0018)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AF94F |
| RGB | 106, 249, 79 |
| RGB Percent | 42%, 98%, 31% |
| CMY | 0.5843, 0.0235, 0.6902 |
| CMYK | 0.57, 0.00, 0.68, 0.02 |
| HSL | 110°, 93%, 64% |
| HSV | 110°, 68%, 98% |
| XYZ | 41.2308, 71.3800, 19.0018 |
| YIQ | 186.8630, -30.6580, -83.1860 |

Conversions

Conversions Part 2

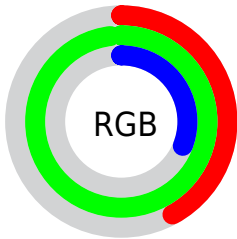
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 79, 249, 222 |
| Decimal | 7010639 |
| CIELab | 87.67, -68.35, 66.97 |
| CIELCh | 88, 95.695, 135.583 |
| Yxy | 71.3800, 0.3133, 0.5423 |
| Android (android.graphics.Color) | 4285200719 (0xFF6AF94F) |
| YUV | 186.8630, -53.1765, -70.9169 |
| Hunter-Lab | 84.4867, -60.7410, 45.8058 |

Details

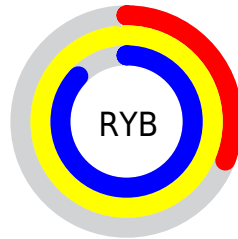
The XYZ color **41.2308, 71.3800, 19.0018** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **50.0234, 27.9639, 92.3874**, and the grayscale version is **47.4613, 49.9330, 54.3770**.

A 20% lighter version of the original color is **56.5661, 81.7326, 36.0872**, and **18.9248, 37.4125, 6.2526** is the 20% darker color. If you saturate the color by 10%, you get **38.2966, 69.9554, 14.9873**, and if you desaturate by 10%, it is **45.1155, 73.2597, 24.8345**.

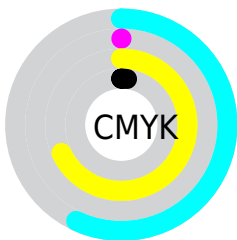
Distribution



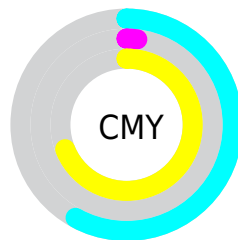
- Red (42%)
- Green (98%)
- Blue (31%)



- 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 41.2308, 71.3800, 19.0018 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 41.2308, 71.3800, 19.0018 by changing the saturation by 10% instead.

41.2308, 71.3800,
19.0018

41.2308, 71.3800,
19.0018

342.3304,
465.3807, 258.8818

28.6879, 52.6524,
11.4948

76.3066, 121.1746,
42.5739

18.9880, 37.5253,
6.2823

99.5703, 153.0104,
59.4760

11.7655, 25.6145,
2.9459

127.1383,
189.9844, 80.3469

6.6553, 16.5355,
1.0671

159.3760,
232.4810, 105.6051

3.2919, 9.9038,
0.0000

196.6487,
280.8845, 135.6691

1.3099, 5.3352,
0.0000

239.3217,

0.1906, 2.4453,

335.5793, 170.9576

0.0000

287.7605,
396.9500, 211.8889

0.0000, 0.8490,
0.0000

0.0000, 0.0000,
0.0000

41.2308, 71.3800,
19.0018

41.2308, 71.3800,
19.0018

38.2966, 69.9554,
14.9873

45.1155, 73.2597,
24.8345

36.2228, 68.9375,
12.5729


50.0202, 75.6200,
32.6614


34.9037, 68.2807,
11.4635


56.0133, 78.4949,
42.6430


34.7344, 68.1962,
11.3325

63.1560, 81.9127,
54.9222

 71.5047, 85.8997,
69.6296

 81.1122, 90.4805,
86.8860

 92.0279, 95.6783,
106.8043

 93.1671, 96.2342,
108.2724

Harmonies

Analogous

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



56.7961, 71.3800, 8.8280



41.2308, 71.3800, 19.0018



33.7800, 71.3800, 50.5994

Triad

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



41.2308, 71.3800, 19.0018



57.5606, 71.3800, 272.1473



119.0864, 71.3800, 48.7783

Complementary

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



41.2308, 71.3800, 19.0018



50.0234, 27.9639, 92.3874

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.



119.4208, 71.3800, 113.1279



41.2308, 71.3800, 19.0018



80.2402, 71.3800, 270.6339

Square

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



41.2308, 71.3800, 19.0018



41.6825, 71.3800, 205.3267



103.9828, 71.3800, 201.9127



103.1512, 71.3800, 18.3080

Rectangle

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



41.2308, 71.3800, 19.0018



33.0529, 71.3800, 90.5089



103.9828, 71.3800, 201.9127



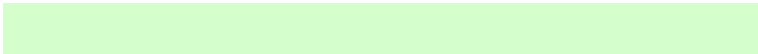
121.1285, 71.3800, 66.1976

Sweetspot

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



41.2325, 71.3830, 19.0034



73.8388, 89.8913, 70.5858



66.2499, 72.2448, 17.8512



15.2593, 18.9801, 14.1441



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.



41.2325, 71.3830, 19.0034



39.4842, 73.3832, 14.6578



41.5227, 71.1850, 34.7222



17.2740, 19.4415, 18.3045



18.6675, 36.5417, 6.0694



1.8011, 3.4216, 0.5655

Inverse Universe

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



50.0234, 27.9639, 92.3874



49.0851, 24.6637, 96.7812



51.4170, 29.5542, 53.0605



17.7065, 17.3768, 21.8061



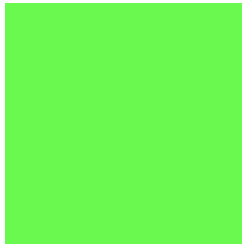
23.3986, 11.0051, 48.8645



2.2374, 1.0555, 4.5290

Previews

White Background



This preview shows how the XYZ color 41.2308, 71.3800, 19.0018 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 41.2308, 71.3800, 19.0018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

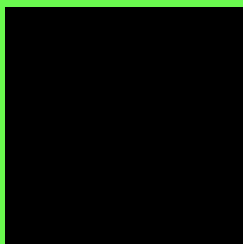
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

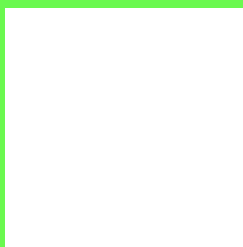
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2308, 71.3800, 19.0018

Background



This preview shows how black text looks on a background with the XYZ color 41.2308, 71.3800, 19.0018.

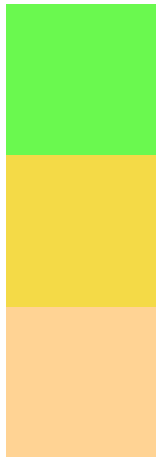


This preview shows how white text looks on a background with the XYZ color 41.2308, 71.3800,

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

41.2308, 71.3800, 19.0018

Protanopia

63.5170, 69.8308, 16.0922

Deuteranopia

69.8796, 69.9866, 37.8427



Tritanopia

57.7068, 70.9936, 101.9285

Trichromacy



Original Color

41.2308, 71.3800, 19.0018



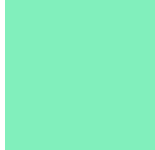
Protanomaly

51.5035, 68.0024, 16.8898



Deuteranomaly

54.5878, 67.6980, 28.9288



Tritanomaly

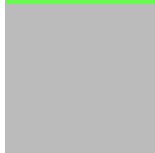
48.9969, 70.0310, 58.5119

Monochromacy



Original Color

41.2308, 71.3800, 19.0018



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 41.2308, 71.3800, 19.0018 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(106, 249, 79)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 249, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 249, 79) }
```

Border

The CSS property to change the border of an element to XYZ 41.2308, 71.3800, 19.0018 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(106, 249, 79) }
```


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

```
.border{ border-color:rgb(106, 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(106, 249, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 249, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 249, 79);  
box-shadow:4px 4px 4px 4px rgb(106, 249,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2308, 71.3800, 19.0018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 249, 79) }
```

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

```
.background{ background-color: rgb(106,  
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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