

Converting Colors

XYZ(41.8425, 71.6954, 19.0304)

Have a look what the booklet for
XYZ(41.8425, 71.6954, 19.0304)
contains.

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Color

**XYZ(41.8425, 71.6954,
19.0304)**

Conversions

Conversions Part 1

Format	Color
Hex	6FF94F
RGB	111, 249, 79
RGB Percent	44%, 98%, 31%
CMY	0.5647, 0.0235, 0.6902
CMYK	0.55, 0.00, 0.68, 0.02
HSL	109°, 93%, 64%
HSV	109°, 68%, 98%
XYZ	41.8425, 71.6954, 19.0304
YIQ	188.3580, -27.6780, -82.1260

Conversions

Conversions Part 2

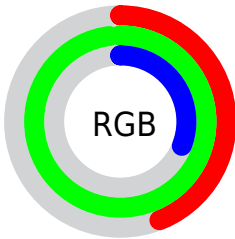
Format	Color
RYB	79, 249, 217
Decimal	7338319
CIELab	87.82, -67.15, 67.18
CIELCh	88, 94.984, 134.985
Yxy	71.6954, 0.3156, 0.5408
Android (android.graphics.Color)	4285528399 (0xFF6FF94F)
YUV	188.3580, -53.9135, -67.8430
Hunter-Lab	84.6731, -59.9695, 45.9457

Details

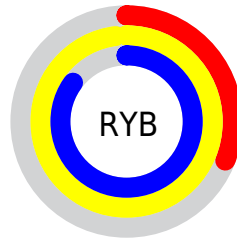
The XYZ color **41.8425, 71.6954, 19.0304** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **48.5144, 27.1860, 92.3169**, and the grayscale version is **48.3140, 50.8301, 55.3539**.

A 20% lighter version of the original color is **57.4375, 82.1818, 36.1280**, and **19.2960, 37.6039, 6.2700** is the 20% darker color. If you saturate the color by 10%, you get **38.8388, 70.2349, 15.0127**, and if you desaturate by 10%, it is **45.7644, 73.5943, 24.8648**.

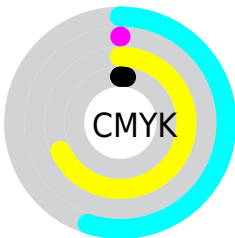
Distribution



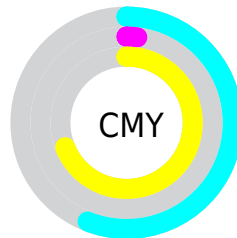
- Red (44%)
- Green (98%)
- Blue (31%)



- Red (31%)
- Yellow (98%)
- Blue (85%)



- Cyan (55%)
- Magenta (0%)
- Yellow (68%)
- Black (2%)





- Cyan (56%)
- Magenta (2%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8425, 71.6954, 19.0304 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 41.8425, 71.6954, 19.0304 by changing the saturation by 10% instead.


 41.8425, 71.6954,
19.0304

 41.8425, 71.6954,
19.0304


344.8324,
466.4807, 259.0449

 29.1686, 52.9099,
11.5152


 77.2279, 121.6234,
42.6228


 19.3533, 37.7308,
6.2960


 100.6700,
153.5346, 59.5372

 12.0314, 25.7739,
2.9542


 128.4322,
190.5899, 80.4216

 6.8374, 16.6545,
1.0713

 160.8799,
233.1736, 105.6948

 3.4060, 9.9885,
0.0000

198.3784,
281.6702, 135.7751

 1.3719, 5.3913,
0.0000

241.2931,

 0.2361, 2.4786,

336.4639, 171.0812

0.0000

289.9893,
397.9393, 212.0316

0.0000, 0.8659,
0.0000

0.0000, 0.0000,
0.0000

41.8425, 71.6954,
19.0304

41.8425, 71.6954,
19.0304

38.8388, 70.2349,
15.0127

45.7644, 73.5943,
24.8648

36.6687, 69.1675,
12.5937


50.6689, 75.9545,
32.6917


35.2338, 68.4510,
11.4790


56.6204, 78.8079,
42.6714


35.0432, 68.3554,
11.3470

63.6761, 82.1809,
54.9465

 71.8891, 86.0980,
69.6475

 81.3088, 90.5820,
86.8952

 91.9819, 95.6546,
106.8021

 93.1672, 96.2343,
108.2724

Harmonies

Analogous

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



57.5293, 71.6954, 9.0397



41.8425, 71.6954, 19.0304



34.2392, 71.6954, 50.0925

Triad

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



41.8425, 71.6954, 19.0304



57.5097, 71.6954, 270.1140



119.2413, 71.6954, 50.1393

Complementary

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



41.8425, 71.6954, 19.0304



48.5144, 27.1860, 92.3169

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.



119.2328, 71.6954, 114.8873



41.8425, 71.6954, 19.0304



79.9908, 71.6954, 270.1525

Square

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



41.8425, 71.6954, 19.0304



41.8309, 71.6954, 202.9859



103.6511, 71.6954, 203.0728



103.6724, 71.6954, 19.0483

Rectangle

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



41.8425, 71.6954, 19.0304



33.4134, 71.6954, 89.3680



103.6511, 71.6954, 203.0728



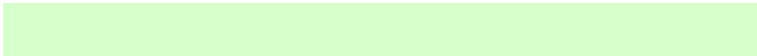
121.1558, 71.6954, 67.7560

Sweetspot

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



41.8442, 71.6984, 19.0320



74.2735, 90.1154, 70.6061



64.7818, 69.3086, 17.3618



15.3616, 19.0329, 14.1489



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.



41.8442, 71.6984, 19.0320



40.0205, 73.6596, 14.6829



41.1317, 71.0287, 32.6631



17.3221, 19.4663, 18.3068



18.8438, 36.6326, 6.0776



1.8244, 3.4336, 0.5666

Inverse Universe

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



48.5144, 27.1860, 92.3169



47.2378, 23.7114, 96.6948



52.0587, 29.8109, 56.4394



17.6540, 17.3498, 21.8037



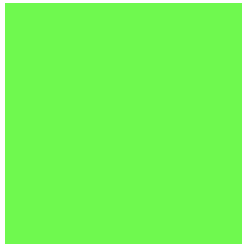
22.3248, 10.4515, 48.8143



2.1475, 1.0091, 4.5248

Previews

White Background



This preview shows how the XYZ color 41.8425, 71.6954, 19.0304 looks on a white background.

Color Contrast Check

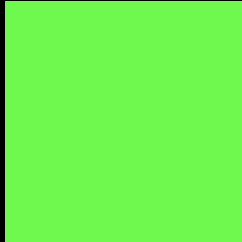
Large Text (above 18pt) WCAG AA × Fail

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 41.8425, 71.6954, 19.0304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

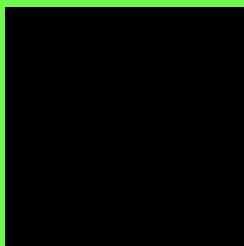
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

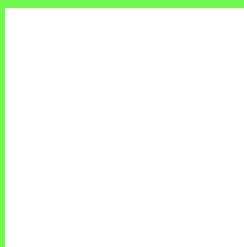
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8425, 71.6954, 19.0304

Background



This preview shows how black text looks on a background with the XYZ color 41.8425, 71.6954, 19.0304.

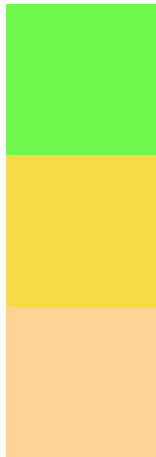


This preview shows how white text looks on a background with the XYZ color 41.8425, 71.6954,

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

41.8425, 71.6954, 19.0304

Protanopia

64.1250, 70.5304, 16.1952

Deuteranopia

69.9591, 70.0185, 38.2614



Tritanopia

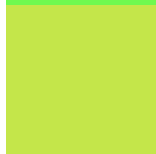
58.4056, 71.3539, 101.9612

Trichromacy



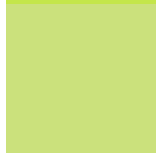
Original Color

41.8425, 71.6954, 19.0304



Protanomaly

52.2978, 68.8238, 17.0065



Deuteranomaly

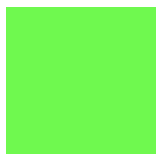
55.1919, 68.0022, 29.2856



Tritanomaly

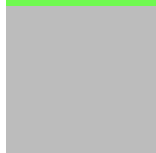
49.6165, 70.3504, 58.5409

Monochromacy



Original Color

41.8425, 71.6954, 19.0304



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.8891, 55.7049, 36.5086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8425, 71.6954, 19.0304 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(111, 249, 79)` looks like.

```
.text, #text, p{  
    color:rgb(111, 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(111, 249, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 249, 79) }
```

Border

The CSS property to change the border of an element to XYZ 41.8425, 71.6954, 19.0304 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(111, 249, 79) }
```


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

```
.border{ border-color:rgb(111, 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(111, 249, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 249, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 249, 79);  
box-shadow:4px 4px 4px 4px rgb(111, 249,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8425, 71.6954, 19.0304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 249, 79) }
```

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

```
.background{ background-color: rgb(111,  
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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