

Converting Colors

XYZ(42.2075, 74.6911, 19.1231)

Have a look what the booklet for
XYZ(42.2075, 74.6911, 19.1231)
contains.

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Color

**XYZ(42.2451, 74.7085,
19.2148)**

Conversions

Conversions Part 1

Format	Color
Hex	63FF4D
RGB	99, 255, 77
RGB Percent	39%, 100%, 30%
CMY	0.6118, 0.0000, 0.6980
CMYK	0.61, 0.00, 0.70, 0.00
HSL	113°, 100%, 65%
HSV	113°, 70%, 100%
XYZ	42.2451, 74.7085, 19.2148
YIQ	188.0640, -35.8380, -88.4300

Conversions

Conversions Part 2

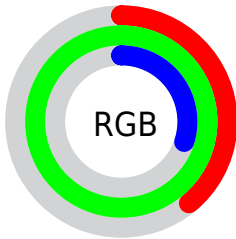
Format	Color
RYB	77, 255, 233
Decimal	6553421
CIELab	89.26, -72.11, 69.29
CIELCh	89, 100.010, 136.142
Yxy	74.7085, 0.3102, 0.5486
Android (android.graphics.Color)	4284743501 (0xFF63FF4D)
YUV	188.0640, -54.7546, -78.1091
Hunter-Lab	86.4341, -64.0168, 47.3233

Details

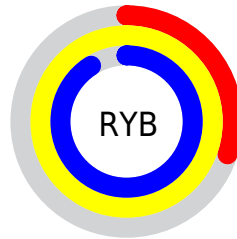
The XYZ color **42.2451, 74.7085, 19.2148** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **54.3107, 29.8534, 97.5075**, and the grayscale version is **48.1525, 50.6602, 55.1689**.

A 20% lighter version of the original color is **55.4430, 81.1618, 35.6653**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.4012, 73.3268, 15.2676**, and if you desaturate by 10%, it is **46.1176, 76.5796, 25.0531**.

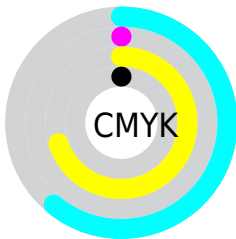
Distribution



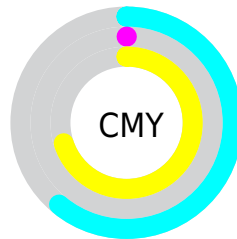
- Red (39%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (91%)



- Cyan (61%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2451, 74.7085, 19.2148 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 42.2451, 74.7085, 19.2148 by changing the saturation by 10% instead.


 42.2451, 74.7085,
19.2148


 42.2451, 74.7085,
19.2148


346.4723,
476.9151, 260.0942

 29.4852, 55.3741,
11.6472


 77.8333, 125.8996,
42.9383


 19.5943, 39.7013,
6.3843


 101.3923,
158.5252, 59.9312


 12.2070, 27.3058,
3.0076


 129.2817,
196.3499, 80.9031

 6.9580, 17.8030,
1.0985

 161.8669,
239.7582, 106.2723

 3.4820, 10.8086,
0.0000

 199.5132,
289.1345, 136.4575

 1.4135, 5.9383,
0.0000

242.5859,

 0.2658, 2.8076,

344.8631, 171.8772

0.0000

291.4505,
407.3285, 212.9499

0.0000, 1.0321,
0.0000

0.0000, 0.0000,
0.0000

42.2451, 74.7085,
19.2148

42.2451, 74.7085,
19.2148

39.4012, 73.3268,
15.2676

46.1176, 76.5796,
25.0531

37.4841, 72.3872,
12.9742


51.1056, 78.9808,
32.9755


36.3570, 71.8274,
11.9624

57.2874, 81.9487,
43.1550

36.3405, 71.8193,
11.9472

64.7341, 85.5167,
55.7456

 73.5110, 89.7153,
70.8879

 83.6789, 94.5731,
88.7115

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.



58.7366, 74.7085, 8.4796



42.2451, 74.7085, 19.2148



34.4779, 74.7085, 53.1979

Triad

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



42.2451, 74.7085, 19.2148



60.3442, 74.7085, 294.2388



126.3410, 74.7085, 49.3914

Complementary

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



42.2451, 74.7085, 19.2148



54.3107, 29.8534, 97.5075

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.



127.0536, 74.7085, 117.9954



42.2451, 74.7085, 19.2148



84.8800, 74.7085, 290.9816

Square

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



42.2451, 74.7085, 19.2148



43.1882, 74.7085, 221.9552



110.5352, 74.7085, 214.6357



108.7670, 74.7085, 17.8025

Rectangle

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



42.2451, 74.7085, 19.2148



33.8045, 74.7085, 96.5989



110.5352, 74.7085, 214.6357



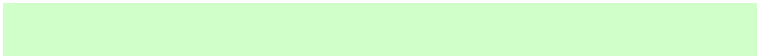
128.6778, 74.7085, 67.7876

Sweetspot

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



42.2453, 74.7085, 19.2160



72.3869, 89.1778, 68.9341



71.2306, 79.0976, 18.5354



14.9556, 18.8304, 13.8224



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.



42.2453, 74.7085, 19.2160



38.4899, 72.8815, 14.1185



43.7239, 75.0592, 37.8812



17.9800, 20.2756, 19.1103



19.0534, 37.5604, 6.2457



1.9179, 3.6895, 0.6111

Inverse Universe

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



54.3107, 29.8534, 97.5075



51.0003, 25.3733, 96.8173



53.1597, 30.2748, 51.6056



18.5588, 18.1798, 22.7808



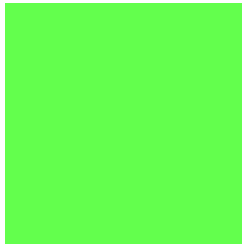
25.4989, 12.0556, 50.4176



2.5421, 1.2044, 4.9118

Previews

White Background



This preview shows how the XYZ color 42.2451, 74.7085, 19.2148 looks on a white background.

Color Contrast Check

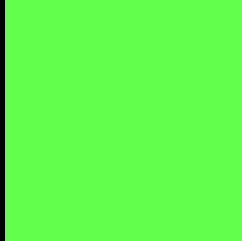
Large Text (above 18pt) WCAG AA × Fail

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 42.2451, 74.7085, 19.2148 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 42.2451, 74.7085, 19.2148

Background



This preview shows how black text looks on a background with the XYZ color 42.2451, 74.7085, 19.2148.

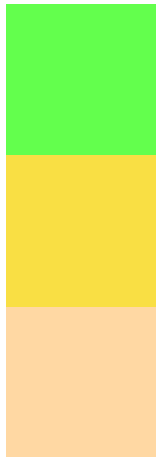


This preview shows how white text looks on a background with the XYZ color 42.2451, 74.7085,

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

42.2451, 74.7085, 19.2148

Protanopia

66.4980, 73.3324, 16.1186

Deuteranopia

72.4067, 73.0161, 44.9276



Tritanopia

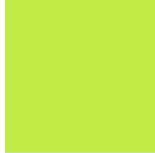
60.3668, 73.9914, 105.7078

Trichromacy



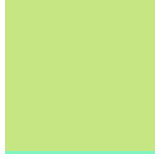
Original Color

42.2451, 74.7085, 19.2148



Protanomaly

53.0938, 71.3409, 16.9331



Deuteranomaly

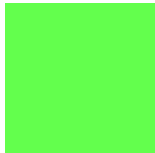
55.7504, 70.2653, 32.4540



Tritanomaly

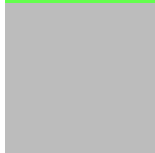
50.8509, 73.1649, 60.1573

Monochromacy



Original Color

42.2451, 74.7085, 19.2148



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.5991, 56.2930, 36.6374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2451, 74.7085, 19.2148 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(99, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 77) }
```

Border

The CSS property to change the border of an element to XYZ 42.2451, 74.7085, 19.2148 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(99, 255, 77) }
```


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

```
.border{ border-color:rgb(99, 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(99, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2451, 74.7085, 19.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 77) }
```

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

```
.background{ background-color: rgb(99, 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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