

# Converting Colors

XYZ(41.8686, 74.2670, 30.3712)

Have a look what the booklet for  
XYZ(41.8686, 74.2670, 30.3712)  
contains.

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# Color

**XYZ(41.8097, 74.2401,  
30.2153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47FF79
RGB	71, 255, 121
RGB Percent	28%, 100%, 47%
CMY	0.7216, 0.0000, 0.5255
CMYK	0.72, 0.00, 0.53, 0.00
HSL	136°, 100%, 64%
HSV	136°, 72%, 100%
XYZ	41.8097, 74.2401, 30.2153
YIQ	184.7080, -66.6500, -80.6820

# Conversions

## Conversions Part 2

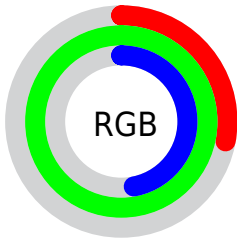
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 216, 255
Decimal	4718457
CIELab	89.04, -72.48, 50.64
CIELCh	89, 88.419, 145.056
Yxy	74.2401, 0.2858, 0.5076
Android (android.graphics.Color)	4282908537 (0xFF47FF79)
YUV	184.7080, -31.4080, -99.7219
Hunter-Lab	86.1627, -64.1691, 39.5222

# Details

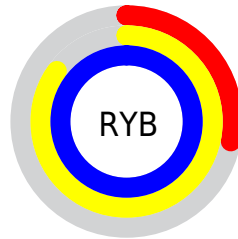
The XYZ color **41.8097, 74.2401, 30.2153** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **54.5125, 30.1744, 60.7074**, and the grayscale version is **46.1474, 48.5506, 52.8716**.

A 20% lighter version of the original color is **54.7518, 80.4054, 53.7084**, and **21.0096, 40.3499, 12.1498** is the 20% darker color. If you saturate the color by 10%, you get **39.2842, 73.0573, 24.7143**, and if you desaturate by 10%, it is **45.3391, 75.9150, 36.9100**.

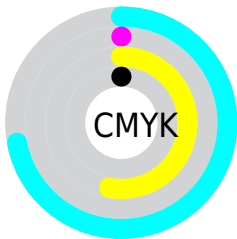
# Distribution



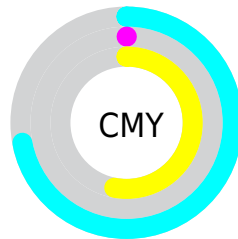
- Red (28%)
- Green (100%)
- Blue (47%)



- Red (28%)
- Yellow (85%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8097, 74.2401, 30.2153 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 41.8097, 74.2401, 30.2153 by changing the saturation by 10% instead.



41.8097, 74.2401,  
30.2153

41.8097, 74.2401,  
30.2153

344.6985,  
475.3016, 317.1452

29.1428, 54.9906,  
19.7486

77.1785, 125.2361,  
61.0675

19.3337, 39.3942,  
12.0302

100.6111,  
157.7514, 82.2901

12.0171, 27.0665,  
6.6415

128.3629,  
195.4574, 107.9352

6.8276, 17.6232,  
3.1639

160.7994,  
238.7384, 138.4211

3.3999, 10.6798,  
1.1789

198.2858,  
287.9790, 174.1666

1.3686, 5.8520,  
0.0000

241.1876,

0.2337, 2.7553,

343.5635, 215.5901

0.0000

289.8700,  
405.8762, 263.1101

■ 0.0000, 1.0053,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.8097, 74.2401,  
30.2153

■ 41.8097, 74.2401,  
30.2153

■ 39.2842, 73.0573,  
24.7143

■ 45.3391, 75.9150,  
36.9100


■ 37.6434, 72.3067,  
20.3320


■ 49.9702, 78.1313,  
44.8600


■ 36.8434, 71.9534,  
17.6252


■ 55.7902, 80.9325,  
54.1270

■ 62.8765, 84.3574,  
64.7675

 71.3003, 88.4417,  
76.8344

 81.1270, 93.2180,  
90.3782

 92.4179, 98.7168,  
105.4466

 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.



54.4623, 74.2401, 14.0220



41.8097, 74.2401, 30.2153



36.8687, 74.2401, 71.0549

# Triad

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



41.8097, 74.2401, 30.2153



67.0600, 74.2401, 265.4791



115.0313, 74.2401, 40.3445

# Complementary

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



41.8097, 74.2401, 30.2153



54.5125, 30.1744, 60.7074

# 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.



120.2855, 74.2401, 91.4733



41.8097, 74.2401, 30.2153



89.5600, 74.2401, 242.5281

# Square

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



41.8097, 74.2401, 30.2153



49.4334, 74.2401, 221.9164



110.1668, 74.2401, 169.3845



96.9902, 74.2401, 17.4409



# Rectangle

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



41.8097, 74.2401, 30.2153



37.6958, 74.2401, 115.6580



110.1668, 74.2401, 169.3845



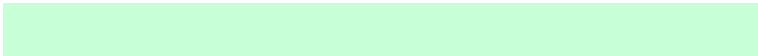
118.4886, 74.2401, 53.8137

# Sweetspot

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



41.8101, 74.2402, 30.2165



71.4428, 88.5109, 77.0345



62.3326, 85.0873, 19.0997



14.7724, 18.6929, 15.7560



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.



41.8101, 74.2402, 30.2165



38.3873, 72.6439, 22.4565



50.2508, 77.6165, 74.6647



17.9743, 20.2493, 20.1677



19.3046, 37.6184, 9.4892



1.9231, 3.6802, 1.1527



# Inverse Universe

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



54.5125, 30.1744, 60.7074



51.6058, 26.2832, 53.8123



46.5269, 26.9801, 18.6555



18.5696, 18.2112, 21.6168



26.2293, 12.9810, 25.6556

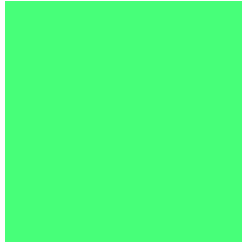


2.5997, 1.2823, 2.7395



# Previews

## White Background



This preview shows how the XYZ color 41.8097, 74.2401, 30.2153 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 41.8097, 74.2401, 30.2153 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 41.8097, 74.2401, 30.2153**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8097, 74.2401, 30.2153.



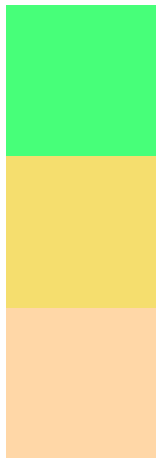
This preview shows how white text looks on a background with the XYZ color 41.8097, 74.2401,



# 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

41.8097, 74.2401, 30.2153

### Protanopia

66.5919, 72.7808, 25.2902

### Deuteranopia

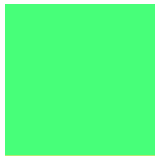
72.5155, 72.6509, 46.7603



## Tritanopia

58.9411, 73.6874, 105.7243

# Trichromacy



## Original Color

41.8097, 74.2401, 30.2153



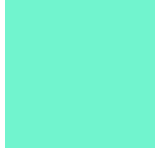
## Protanomaly

51.7515, 70.0056, 26.7044



## Deuteranomaly

54.5409, 69.4870, 39.3919



## Tritanomaly

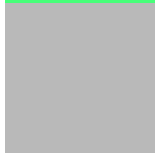
50.3013, 72.6683, 69.7678

# Monochromacy



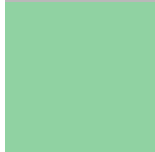
## Original Color

41.8097, 74.2401, 30.2153



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

41.0698, 54.6311, 42.5627

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8097, 74.2401, 30.2153 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(71, 255, 121)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 121)  
}
```

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(71, 255, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8097, 74.2401, 30.2153 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(71, 255, 121) }
```



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

```
.border{ border-color:rgb(71, 255, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8097, 74.2401, 30.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 121) }
```

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

```
.background{ background-color: rgb(71, 255,  
121) }
```

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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