

# Converting Colors

XYZ(52.2286, 94.7314, 30.6215)

Have a look what the booklet for  
XYZ(52.2286, 94.7314, 30.6215)  
contains.

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# Color

**XYZ(42.1089, 74.4615,  
27.1921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52FF6F
RGB	82, 255, 111
RGB Percent	32%, 100%, 44%
CMY	0.6784, 0.0000, 0.5647
CMYK	0.68, 0.00, 0.56, 0.00
HSL	130°, 100%, 66%
HSV	130°, 68%, 100%
XYZ	42.1089, 74.4615, 27.1921
YIQ	186.8570, -56.8840, -81.4600

# Conversions

## Conversions Part 2

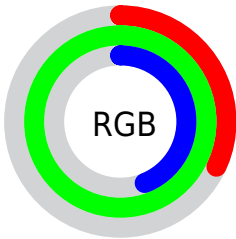
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 230, 255
Decimal	5439343
CIELab	89.14, -72.02, 55.33
CIELCh	89, 90.822, 142.469
Yxy	74.4615, 0.2929, 0.5179
Android (android.graphics.Color)	4283629423 (0xFF52FF6F)
YUV	186.8570, -37.3975, -91.9596
Hunter-Lab	86.2911, -63.9038, 41.7203

# Details

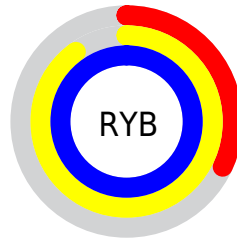
The XYZ color **42.1089, 74.4615, 27.1921** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **57.9845, 32.7856, 75.2216**, and the grayscale version is **47.3807, 49.8482, 54.2847**.

A 20% lighter version of the original color is **55.2206, 80.7572, 48.7537**, and **20.7048, 40.2279, 10.5444** is the 20% darker color. If you saturate the color by 10%, you get **39.2551, 73.1097, 21.6663**, and if you desaturate by 10%, it is **46.0644, 76.3492, 34.2211**.

# Distribution



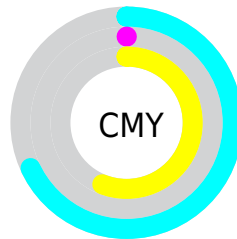
- Red (32%)
- Green (100%)
- Blue (44%)



- Red (32%)
- Yellow (90%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1089, 74.4615, 27.1921 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 42.1089, 74.4615, 27.1921 by changing the saturation by 10% instead.





 42.1089, 74.4615,  
27.1921


 42.1089, 74.4615,  
27.1921


345.9181,  
476.0646, 302.3756


 29.3781, 55.1718,  
17.4838


 77.6285, 125.5498,  
56.1995


 19.5127, 39.5393,  
10.4145


 101.1481,  
158.1172, 76.3356

 12.1475, 27.1795,  
5.5654


 128.9945,  
195.8794, 100.7848

 6.9171, 17.7081,  
2.5182

 161.5332,  
239.2206, 129.9656

 3.4562, 10.7406,  
0.8498

199.1296,  
288.5254, 164.2966

 1.3994, 5.8927,  
0.0000

242.1490,

 0.2558, 2.7799,

344.1780, 204.1962

0.0000

290.9567,  
406.5630, 250.0830

0.0000, 1.0180,  
0.0000

0.0000, 0.0000,  
0.0000

42.1089, 74.4615,  
27.1921

42.1089, 74.4615,  
27.1921

39.2551, 73.1097,  
21.6663

46.0644, 76.3492,  
34.2211

37.3855, 72.2355,  
17.5304

51.2204, 78.8216,  
42.8485

36.3486, 71.7634,  
14.6602

57.6658, 81.9226,  
53.1658

36.1915, 71.6926,  
14.1921

65.4804, 85.6917,  
65.2563

■ 74.7378, 90.1650,  
79.1982

■ 85.5061, 95.3763,  
95.0647

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.



55.7254, 74.4615, 12.5563



42.1089, 74.4615, 27.1921



36.4161, 74.4615, 66.1296

# Triad

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



42.1089, 74.4615, 27.1921



65.3416, 74.4615, 271.8243



117.8248, 74.4615, 42.8520

# Complementary

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



42.1089, 74.4615, 27.1921



57.9845, 32.7856, 75.2216

# Split Complementary

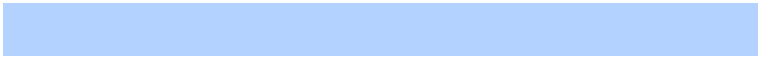
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.8922, 74.4615, 98.1199



42.1089, 74.4615, 27.1921



88.3124, 74.4615, 253.8679

# Square

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



42.1089, 74.4615, 27.1921



47.8879, 74.4615, 221.1939



110.1632, 74.4615, 180.2761



99.9882, 74.4615, 17.7487



# Rectangle

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



42.1089, 74.4615, 27.1921



36.8264, 74.4615, 110.3347



110.1632, 74.4615, 180.2761



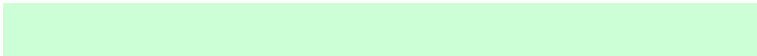
120.9800, 74.4615, 57.5091

# Sweetspot

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



42.1093, 74.4617, 27.1933



72.6150, 89.1386, 76.0300



68.6994, 88.3250, 21.4105



14.9730, 18.8040, 15.4186



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.



42.1093, 74.4617, 27.1933



38.5646, 72.7851, 20.2157



49.3561, 77.3604, 65.3548



17.8958, 20.2178, 19.7542



18.9469, 37.4754, 7.6058



1.8779, 3.6621, 0.9151



# Inverse Universe

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



57.9845, 32.7856, 75.2216



55.2831, 28.5980, 70.5752



48.9665, 29.1784, 27.7338



18.6542, 18.2450, 22.0621



27.8231, 13.6185, 34.0484

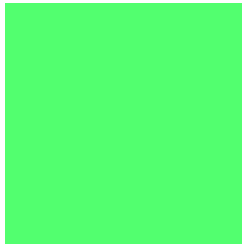


2.7422, 1.3392, 3.4897



# Previews

## White Background



This preview shows how the XYZ color 42.1089, 74.4615, 27.1921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

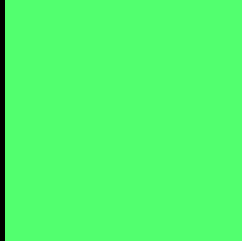
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1089, 74.4615, 27.1921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

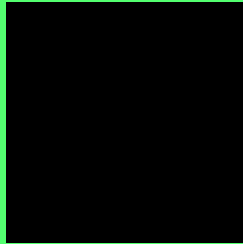
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.1089, 74.4615, 27.1921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1089, 74.4615, 27.1921.



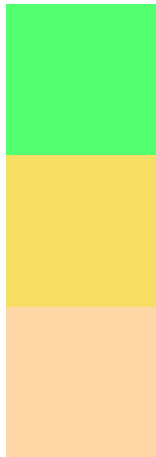
This preview shows how white text looks on a background with the XYZ color 42.1089, 74.4615,



# 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

42.1089, 74.4615, 27.1921

### Protanopia

66.4763, 72.7750, 22.8552

### Deuteranopia

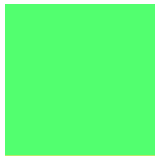
72.4234, 72.6141, 46.2752



## Tritanopia

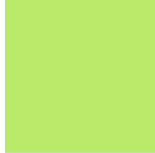
59.6090, 74.0318, 105.7556

# Trichromacy



## Original Color

42.1089, 74.4615, 27.1921



## Protanomaly

52.2223, 70.3047, 24.1824



## Deuteranomaly

55.2233, 69.8754, 37.7709



## Tritanomaly

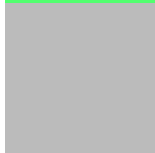
50.8759, 73.0062, 67.9101

# Monochromacy



## Original Color

42.1089, 74.4615, 27.1921



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

42.1959, 55.9797, 41.3821

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1089, 74.4615, 27.1921 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(82, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(82, 255, 111)  
}
```

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(82, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1089, 74.4615, 27.1921 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(82, 255, 111) }
```



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

```
.border{ border-color:rgb(82, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1089, 74.4615, 27.1921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 111) }
```

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

```
.background{ background-color: rgb(82, 255,  
111) }
```

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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