

# Converting Colors

XYZ(43.1060, 74.9357, 28.9775)

Have a look what the booklet for  
XYZ(43.1060, 74.9357, 28.9775)  
contains.

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# Color

**XYZ(43.0907, 74.9282,  
29.0211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59FF75
RGB	89, 255, 117
RGB Percent	35%, 100%, 46%
CMY	0.6510, 0.0000, 0.5412
CMYK	0.65, 0.00, 0.54, 0.00
HSL	130°, 100%, 67%
HSV	130°, 65%, 100%
XYZ	43.0907, 74.9282, 29.0211
YIQ	189.6340, -54.6380, -78.1100

# Conversions

## Conversions Part 2

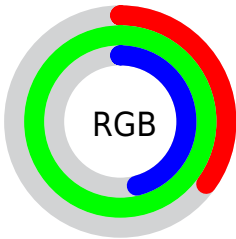
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 231, 255
Decimal	5898101
CIELab	89.36, -70.03, 52.94
CIELCh	89, 87.790, 142.910
Yxy	74.9282, 0.2931, 0.5096
Android (android.graphics.Color)	4284088181 (0xFF59FF75)
YUV	189.6340, -35.8086, -88.2560
Hunter-Lab	86.5611, -62.6234, 40.7148

# Details

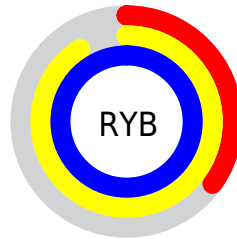
The XYZ color **43.0907, 74.9282, 29.0211** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **58.6773, 33.9509, 76.1317**, and the grayscale version is **48.9549, 51.5044, 56.0883**.

A 20% lighter version of the original color is **56.7240, 81.4671, 51.7648**, and **20.8635, 40.2914, 11.3800** is the 20% darker color. If you saturate the color by 10%, you get **39.9444, 73.4343, 23.0884**, and if you desaturate by 10%, it is **47.3669, 76.9720, 36.4822**.

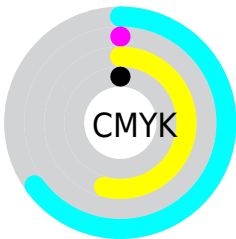
# Distribution



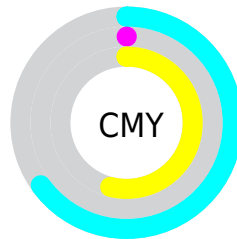
- Red (35%)
- Green (100%)
- Blue (46%)



- Red (35%)
- Yellow (91%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0907, 74.9282, 29.0211 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 43.0907, 74.9282, 29.0211 by changing the saturation by 10% instead.





 43.0907, 74.9282,  
29.0211

 43.0907, 74.9282,  
29.0211


349.8998,  
477.6707, 311.3785


 30.1511, 55.5541,  
18.8511


 79.1026, 126.2107,  
59.1532


 20.1020, 39.8455,  
11.3870


 102.9056,  
158.8879, 79.9523

 12.5779, 27.4181,  
6.2103

 131.0604,  
196.7682, 105.1316

 7.2135, 17.8875,  
2.9025

 163.9325,  
240.2361, 135.1095

 3.6435, 10.8692,  
1.0451

201.8871,  
289.6759, 170.3046

 1.5025, 5.9790,  
0.0000

245.2896,

 0.3275, 2.8323,

345.4720, 211.1355

0.0000

294.5054,  
408.0088, 258.0206

0.0000, 1.0448,  
0.0000

0.0000, 0.0000,  
0.0000

43.0907, 74.9282,  
29.0211

43.0907, 74.9282,  
29.0211

39.9444, 73.4343,  
23.0884

47.3669, 76.9720,  
36.4822

37.8160, 72.4347,  
18.5745


52.8683, 79.6127,  
45.5638


36.5708, 71.8626,  
15.3611

59.6809, 82.8930,  
56.3551

36.1963, 71.6945,  
14.2178

67.8829, 86.8512,  
68.9375

 77.5459, 91.5229,  
83.3876

 88.7370, 96.9409,  
99.7771

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.



56.3188, 74.9282, 13.9353



43.0907, 74.9282, 29.0211



37.5912, 74.9282, 67.8377

# Triad

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



43.0907, 74.9282, 29.0211



66.2398, 74.9282, 264.2552



116.4365, 74.9282, 43.6579

# Complementary

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



43.0907, 74.9282, 29.0211



58.6773, 33.9509, 76.1317

# 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.



120.5675, 74.9282, 97.0722



43.0907, 74.9282, 29.0211



88.5350, 74.9282, 246.2355

# Square

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



43.0907, 74.9282, 29.0211



49.1003, 74.9282, 216.9851



109.5038, 74.9282, 175.7275



99.1412, 74.9282, 18.9304



# Rectangle

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



43.0907, 74.9282, 29.0211



38.0688, 74.9282, 110.9666



109.5038, 74.9282, 175.7275



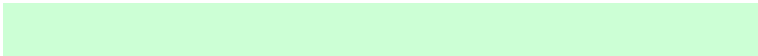
119.5361, 74.9282, 57.9082

# Sweetspot

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



43.0911, 74.9284, 29.0223



72.6218, 89.1413, 76.0655



69.3471, 88.6265, 22.9031



14.9746, 18.8047, 15.4269



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.



43.0911, 74.9284, 29.0223



39.2272, 73.0959, 21.6370



50.2664, 77.7985, 66.8071



17.8966, 20.2182, 19.7583



18.9497, 37.4765, 7.6202



1.8783, 3.6623, 0.9171



# Inverse Universe

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



58.6773, 33.9509, 76.1317



55.7699, 29.3424, 71.4437



49.8721, 30.4288, 29.7645



18.6533, 18.2447, 22.0576



27.8057, 13.6116, 33.9571

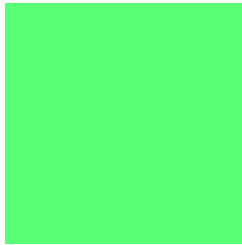


2.7406, 1.3386, 3.4816



# Previews

## White Background



This preview shows how the XYZ color 43.0907, 74.9282, 29.0211 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 43.0907, 74.9282, 29.0211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

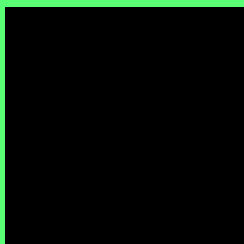
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

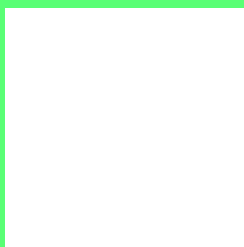
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.0907, 74.9282, 29.0211**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.0907, 74.9282, 29.0211.



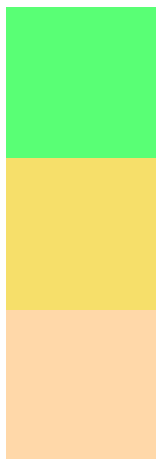
This preview shows how white text looks on a background with the XYZ color 43.0907, 74.9282,



# 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

43.0907, 74.9282, 29.0211

### Protanopia

66.9952, 73.4088, 24.2740

### Deuteranopia

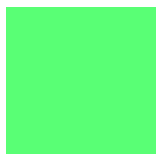
72.9573, 73.2363, 47.8269



## Tritanopia

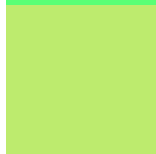
60.3016, 74.3888, 105.7880

# Trichromacy



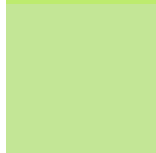
## Original Color

43.0907, 74.9282, 29.0211



## Protanomaly

53.5091, 71.3613, 25.7057



## Deuteranomaly

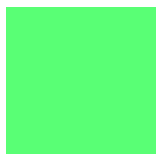
56.3075, 70.3977, 39.4746



## Tritanomaly

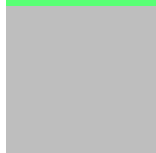
51.8276, 73.4691, 69.2070

# Monochromacy



## Original Color

43.0907, 74.9282, 29.0211



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

43.7943, 57.5098, 43.4426

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.0907, 74.9282, 29.0211 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(89, 255, 117)` looks like.

```
.text, #text, p{  
  color:rgb(89, 255, 117)  
}
```

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(89, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 43.0907, 74.9282, 29.0211 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(89, 255, 117) }
```



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

```
.border{ border-color:rgb(89, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.0907, 74.9282, 29.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 117) }
```

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

```
.background{ background-color: rgb(89, 255,  
117) }
```

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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