

# Converting Colors

XYZ(70.4774, 89.1404, 26.0616)

Have a look what the booklet for  
XYZ(70.4774, 89.1404, 26.0616)  
contains.

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# Color

**XYZ(70.4714, 89.1373,  
26.0614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FF66
RGB	229, 255, 102
RGB Percent	90%, 100%, 40%
CMY	0.1020, 0.0000, 0.6000
CMYK	0.10, 0.00, 0.60, 0.00
HSL	70°, 100%, 70%
HSV	70°, 60%, 100%
XYZ	70.4714, 89.1373, 26.0614
YIQ	229.7840, 33.6170, -53.0950

# Conversions

## Conversions Part 2

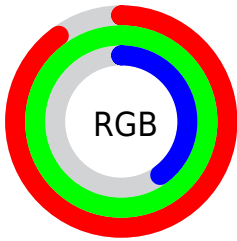
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 128</a>
Decimal	<a href="#">15073126</a>
CIELab	<a href="#">95.64, -28.65, 68.30</a>
CIELCh	<a href="#">96, 74.068, 112.758</a>
Yxy	<a href="#">89.1373, 0.3796, 0.4801</a>
Android (android.graphics.Color)	<a href="#">4293263206 (0xFFE5FF66)</a>
YUV	<a href="#">229.7840, -62.9975, -0.6876</a>
Hunter-Lab	<a href="#">94.4126, -31.9860, 49.7225</a>

# Details

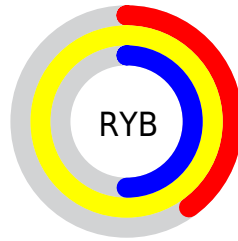
The XYZ color **70.4714, 89.1373, 26.0614** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.7047, 21.3133, 97.0506**, and the grayscale version is **75.4872, 79.4184, 86.4866**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **37.4247, 49.2205, 9.8135** is the 20% darker color. If you saturate the color by 10%, you get **68.0295, 88.0028, 20.3306**, and if you desaturate by 10%, it is **73.3369, 90.4453, 33.8440**.

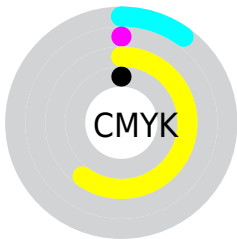
# Distribution



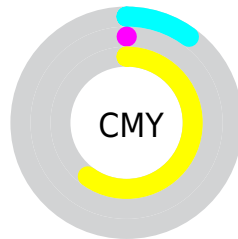
- Red (90%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (50%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4714, 89.1373, 26.0614 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 70.4714, 89.1373, 26.0614 by changing the saturation by 10% instead.





 70.4714, 89.1373,  
26.0614

 70.4714, 89.1373,  
26.0614


451.4441,  
525.2205, 296.6984


 52.1919, 67.2653,  
16.6434


 118.9034,  
146.1395, 54.3593


 37.3830, 49.3003,  
9.8213


 149.7866,  
182.0385, 74.0762

 25.6792, 34.8578,  
5.1766

 185.6017,  
223.3820, 98.0633

 16.7152, 23.5533,  
2.2907

 226.7142,  
270.5544, 126.7389

 10.1257, 15.0026,  
0.7260

273.4893,  
323.9400, 160.5217

 5.5453, 8.8212,  
0.0000

326.2924,

 2.6086, 4.6248,

383.9233, 199.8302

0.0000

385.4889,  
450.8887, 245.0829

■ 0.9503, 2.0288,  
0.0000

■ 0.0000, 0.6241,  
0.0000

■ 70.4714, 89.1373,  
26.0614

■ 70.4714, 89.1373,  
26.0614

■ 68.0295, 88.0028,  
20.3306

■ 73.3369, 90.4453,  
33.8440

■ 65.9736, 87.0267,  
16.4532


■ 76.6583, 91.9396,  
43.8449


■ 64.2596, 86.1912,  
14.1982

■ 80.4647, 93.6320,  
56.2175

■ 62.8151, 85.4674,  
13.1863

■ 84.7829, 95.5331,  
71.1009

 62.8148, 85.4673,  
13.1861

 89.6374, 97.6529,  
88.6233

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.



89.7504, 89.1373, 22.9367



70.4714, 89.1373, 26.0614



57.2379, 89.1373, 43.8136

# Triad

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



70.4714, 89.1373, 26.0614



63.1831, 89.1373, 216.3672



129.7606, 89.1373, 111.8757

# Complementary

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



70.4714, 89.1373, 26.0614



31.7047, 21.3133, 97.0506

# 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.



119.8396, 89.1373, 181.8789



70.4714, 89.1373, 26.0614



79.8857, 89.1373, 256.0352

# Square

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



70.4714, 89.1373, 26.0614



53.5241, 89.1373, 147.1708



100.7756, 89.1373, 241.3765



126.1620, 89.1373, 59.8441



# Rectangle

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



70.4714, 89.1373, 26.0614



52.5816, 89.1373, 67.4888



100.7756, 89.1373, 241.3765



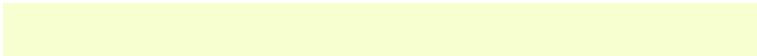
127.8487, 89.1373, 134.1979

# Sweetspot

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



70.4715, 89.1374, 26.0626



85.7092, 95.9389, 74.3872



51.2931, 37.5287, 17.1119



18.0581, 20.4090, 14.9051



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.



70.4715, 89.1374, 26.0626



67.5883, 87.7952, 19.4127



51.2960, 79.2520, 25.1652



19.2404, 20.9254, 19.1693



32.9336, 44.7160, 6.8953



3.2831, 4.3933, 0.6749



# Inverse Universe

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



31.7047, 21.3133, 97.0506



25.8767, 14.6376, 96.0692



47.7041, 29.5613, 97.7994



17.2906, 17.5260, 22.7215



10.0429, 4.0878, 49.6943

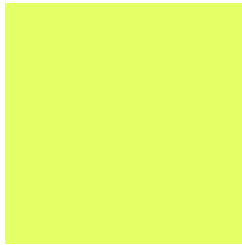


1.0541, 0.4373, 4.8421



# Previews

## White Background



This preview shows how the XYZ color 70.4714, 89.1373, 26.0614 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 70.4714, 89.1373, 26.0614 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 70.4714, 89.1373, 26.0614**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.4714, 89.1373, 26.0614.



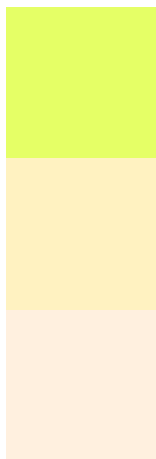
This preview shows how white text looks on a background with the XYZ color 70.4714, 89.1373,



# 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

70.4714, 89.1373, 26.0614

### Protanopia

82.6178, 88.6145, 63.2020

### Deuteranopia

85.7194, 88.9079, 82.4551



## Tritanopia

86.8663, 88.9527, 107.1990

# Trichromacy



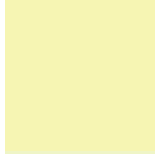
## Original Color

70.4714, 89.1373, 26.0614



## Protanomaly

77.6120, 88.6524, 46.2787



## Deuteranomaly

78.7951, 88.1523, 55.5100



## Tritanomaly

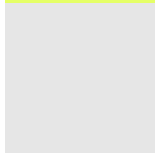
78.5578, 87.7791, 66.8354

# Monochromacy



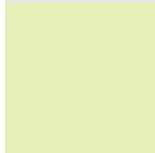
## Original Color

70.4714, 89.1373, 26.0614



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

72.0469, 81.9749, 56.8252

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4714, 89.1373, 26.0614 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(229, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 102)  
}
```

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(229, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4714, 89.1373, 26.0614 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(229, 255, 102) }
```



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

```
.border{ border-color:rgb(229, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4714, 89.1373, 26.0614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 102) }
```

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

```
.background{ background-color: rgb(229,  
255, 102) }
```

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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