

# Converting Colors

XYZ(71.0185, 89.5745, 18.8530)

Have a look what the booklet for  
XYZ(71.0185, 89.5745, 18.8530)  
contains.

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# Color

**XYZ(71.0341, 89.5874,  
18.8584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFF43
RGB	235, 255, 67
RGB Percent	92%, 100%, 26%
CMY	0.0784, 0.0000, 0.7372
CMYK	0.08, 0.00, 0.74, 0.00
HSL	66°, 100%, 63%
HSV	66°, 74%, 100%
XYZ	71.0341, 89.5874, 18.8584
YIQ	227.5880, 48.4280, -62.7080

# Conversions

## Conversions Part 2

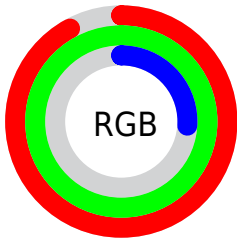
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">67, 255, 87</a>
Decimal	<a href="#">15466307</a>
CIELab	<a href="#">95.83, -28.26, 81.32</a>
CIELCh	<a href="#">96, 86.089, 109.163</a>
Yxy	<a href="#">89.5874, 0.3958, 0.4992</a>
Android (android.graphics.Color)	<a href="#">4293656387 (0xFFEBFF43)</a>
YUV	<a href="#">227.5880, -79.1699, 6.5003</a>
Hunter-Lab	<a href="#">94.6506, -31.6766, 54.4424</a>

# Details

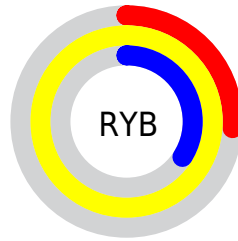
The XYZ color **71.0341, 89.5874, 18.8584** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.9888, 13.2618, 95.9032**, and the grayscale version is **73.9766, 77.8291, 84.7559**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **37.8733, 49.5021, 7.5587** is the 20% darker color. If you saturate the color by 10%, you get **69.5410, 88.8875, 15.6364**, and if you desaturate by 10%, it is **72.8774, 90.4290, 23.8554**.

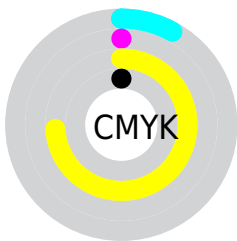
# Distribution



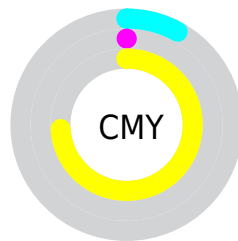
- Red (92%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (34%)



- Cyan (8%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0341, 89.5874, 18.8584 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 71.0341, 89.5874, 18.8584 by changing the saturation by 10% instead.





 71.0341, 89.5874,  
18.8584

 71.0341, 89.5874,  
18.8584


453.3826,  
526.6878, 258.0626

 52.6527, 67.6385,  
11.3922


 119.7005,  
146.7651, 42.3282


 37.7519, 49.6037,  
6.2138


 150.7162,  
182.7628, 59.1689

 25.9665, 35.0986,  
2.9046


 186.6741,  
224.2121, 79.9715

 16.9312, 23.7388,  
1.0462

 227.9394,  
271.4975, 105.1547

 10.2804, 15.1400,  
0.0000

 274.8775,  
325.0033, 135.1368

 5.6490, 8.9177,  
0.0000

327.8539,

 2.6714, 4.6875,

385.1141, 170.3364

0.0000

387.2338,  
452.2141, 211.1722

■ 0.9825, 2.0651,  
0.0000

■ 0.0000, 0.6449,  
0.0000

■ 71.0341, 89.5874,  
18.8584

■ 71.0341, 89.5874,  
18.8584

■ 69.5410, 88.8875,  
15.6364

■ 72.8774, 90.4290,  
23.8554

■ 68.3500, 88.3100,  
13.9336

■ 75.1102, 91.4280,  
30.8305

■ 67.7138, 87.9928,  
13.4154

■ 77.7664, 92.5979,  
39.9631

■ 80.8760, 93.9508,  
51.4115

■ 84.4665, 95.4976,  
65.3193

■ 88.5628, 97.2484,  
81.8184

■ 93.1885, 99.2126,  
101.0314

■ 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.



94.0193, 89.5874, 17.2638



71.0341, 89.5874, 18.8584



55.0857, 89.5874, 34.6216

# Triad

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



71.0341, 89.5874, 18.8584



58.6645, 89.5874, 233.5623



138.2820, 89.5874, 124.2320

# Complementary

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



71.0341, 89.5874, 18.8584



23.9888, 13.2618, 95.9032

# 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.



124.5435, 89.5874, 210.3645



71.0341, 89.5874, 18.8584



76.8570, 89.5874, 290.3915

# Square

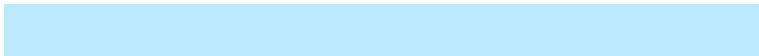
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0341, 89.5874, 18.8584



48.9153, 89.5874, 147.0325



101.0224, 89.5874, 280.3475



135.9265, 89.5874, 60.6324



# Rectangle

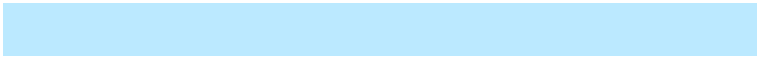
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0341, 89.5874, 18.8584



49.2309, 89.5874, 58.0580



101.0224, 89.5874, 280.3475



135.3050, 89.5874, 151.7970

# Sweetspot

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



71.0341, 89.5874, 18.8596



85.1353, 95.7844, 67.9731



45.5657, 28.2901, 8.3703



17.9985, 20.4058, 13.6623



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.



71.0341, 89.5874, 18.8596



68.9978, 88.6267, 14.7390



47.9638, 77.6942, 17.7799



19.3596, 20.9868, 19.1748



35.4588, 46.0178, 7.0134



3.5048, 4.5076, 0.6853



# Inverse Universe

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



23.9888, 13.2618, 95.9032



20.0765, 8.9767, 95.2823



38.8342, 20.9149, 96.5979



17.1823, 17.4702, 22.7164



9.7271, 3.9250, 49.6795

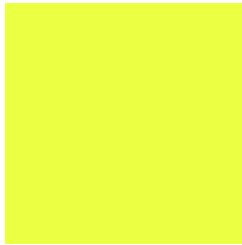


1.0032, 0.4111, 4.8397



# Previews

## White Background



This preview shows how the XYZ color 71.0341, 89.5874, 18.8584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

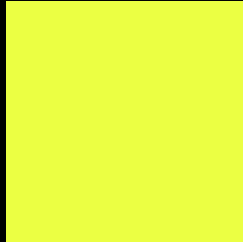
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0341, 89.5874, 18.8584 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 71.0341, 89.5874, 18.8584

## Background



This preview shows how black text looks on a background with the XYZ color 71.0341, 89.5874, 18.8584.



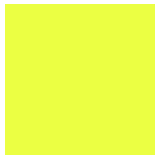
This preview shows how white text looks on a background with the XYZ color 71.0341, 89.5874,



# 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

71.0341, 89.5874, 18.8584



### Protanopia

83.1409, 89.3013, 64.4846



### Deuteranopia

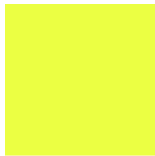
85.7194, 88.9079, 82.4551



## Tritanopia

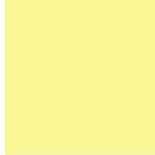
88.4082, 88.8783, 107.1034

# Trichromacy



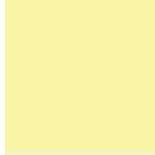
## Original Color

71.0341, 89.5874, 18.8584



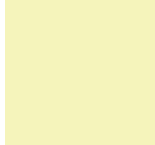
## Protanomaly

77.3175, 88.6161, 41.0465



## Deuteranomaly

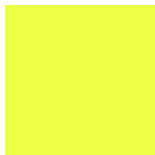
78.2467, 88.0144, 48.9408



## Tritanomaly

78.9765, 87.7017, 59.7793

# Monochromacy



## Original Color

71.0341, 89.5874, 18.8584



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.6910, 81.0026, 49.4454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0341, 89.5874, 18.8584 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(235, 255, 67)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 67)  
}
```

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(235, 255, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0341, 89.5874, 18.8584 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(235, 255, 67) }
```



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

```
.border{ border-color:rgb(235, 255, 67) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0341, 89.5874, 18.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 67) }
```

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

```
.background{ background-color: rgb(235,  
255, 67) }
```

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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