

# Converting Colors

XYZ(73.4413, 90.2812, 43.6922)

Have a look what the booklet for  
XYZ(73.4413, 90.2812, 43.6922)  
contains.

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# Color

**XYZ(73.5047, 90.3139,  
43.6952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FF99
RGB	228, 255, 153
RGB Percent	89%, 100%, 60%
CMY	0.1059, 0.0000, 0.4000
CMYK	0.11, 0.00, 0.40, 0.00
HSL	76°, 100%, 80%
HSV	76°, 40%, 100%
XYZ	73.5047, 90.3139, 43.6952
YIQ	235.2990, 16.6500, -37.4460

# Conversions

## Conversions Part 2

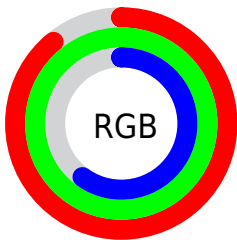
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 255, 180
Decimal	15007641
CIELab	96.13, -24.36, 45.80
CIELCh	96, 51.875, 118.006
Yxy	90.3139, 0.3542, 0.4352
Android (android.graphics.Color)	4293197721 (0xFFE4FF99)
YUV	235.2990, -40.5734, -6.4012
Hunter-Lab	95.0336, -28.2463, 39.2628

# Details

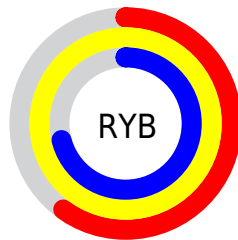
The XYZ color **73.5047, 90.3139, 43.6952** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.2647, 39.7070, 99.7281**, and the grayscale version is **79.4835, 83.6228, 91.0652**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **39.2889, 49.9662, 19.6303** is the 20% darker color. If you saturate the color by 10%, you get **69.5186, 88.4769, 33.6647**, and if you desaturate by 10%, it is **78.0251, 92.3743, 56.1024**.

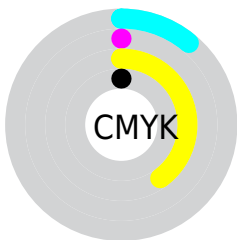
# Distribution



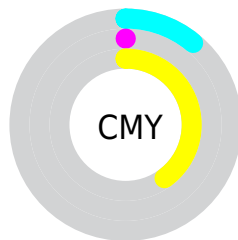
- Red (89%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5047, 90.3139, 43.6952 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 73.5047, 90.3139, 43.6952 by changing the saturation by 10% instead.





 73.5047, 90.3139,  
43.6952


 73.5047, 90.3139,  
43.6952


461.8389,  
529.0514, 377.4679

 54.6786, 68.2410,  
30.0955


 123.1927,  
147.7743, 82.0565

 39.3773, 50.0938,  
19.6584


 154.7853,  
183.9307, 107.6552

 27.2354, 35.4880,  
11.9654


191.3641,  
225.5503, 138.0906

 17.8876, 24.0390,  
6.5979

233.2945,  
273.0176, 173.7813

 10.9685, 15.3626,  
3.1373

280.9419,  
326.7170, 215.1459

 6.1128, 9.0742,  
1.1652

334.6715,

 2.9551, 4.7896,

387.0328, 262.6028

0.0000

394.8487,  
454.3495, 316.5706

■ 1.1301, 2.1244,  
0.0000

■ 0.0500, 0.6783,  
0.0000

■ 73.5047, 90.3139,  
43.6952

■ 73.5047, 90.3139,  
43.6952

■ 69.5186, 88.4769,  
33.6647

■ 78.0251, 92.3743,  
56.1024

■ 66.0361, 86.8508,  
25.8545

■ 83.1062, 94.6687,  
71.0213

■ 63.0242, 85.4225,  
20.0960

■ 88.7735, 97.2076,  
88.5815

■ 60.4449, 84.1765,  
16.1942

95.0500, 100.0000,  
108.9000

■ 58.2532, 83.0948,  
13.9170

■ 56.3759, 82.1479,  
12.8849

■ 56.3757, 82.1478,  
12.8848

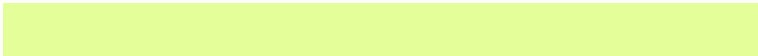
# Harmonies

## Analogous

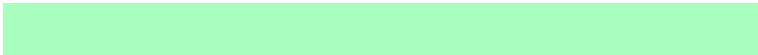
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8062, 90.3139, 38.5423



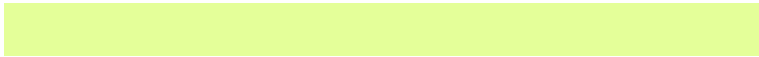
73.5047, 90.3139, 43.6952



64.4675, 90.3139, 62.0743

# Triad

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



73.5047, 90.3139, 43.6952



72.0125, 90.3139, 181.9117



116.5342, 90.3139, 101.1171

# Complementary

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



73.5047, 90.3139, 43.6952



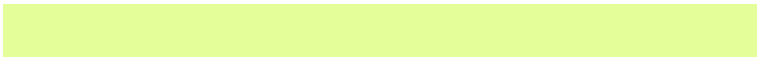
48.2647, 39.7070, 99.7281

# 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.



111.4818, 90.3139, 146.5250



73.5047, 90.3139, 43.6952



84.8823, 90.3139, 200.5633

# Square

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



73.5047, 90.3139, 43.6952



63.6760, 90.3139, 140.3880



99.4849, 90.3139, 186.0947

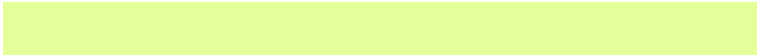


112.6307, 90.3139, 65.6521



# Rectangle

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



73.5047, 90.3139, 43.6952



61.5424, 90.3139, 82.7858



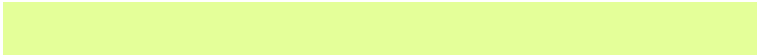
99.4849, 90.3139, 186.0947



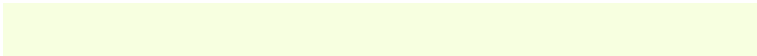
115.8163, 90.3139, 115.7219

# Sweetspot

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



73.5050, 90.3140, 43.6965



87.5913, 96.6795, 84.8502



63.0105, 55.6010, 37.5493



18.5858, 20.6208, 17.6528



0.0000, 0.0000, 0.0000

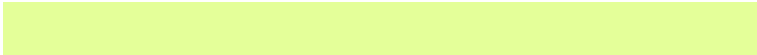


20.3446, 21.4041, 23.3091



# Same Dimension

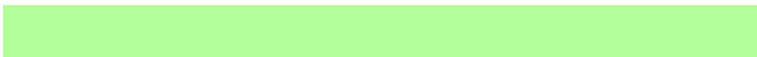
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.5050, 90.3140, 43.6965



70.2742, 88.8268, 35.4871



59.9856, 83.3445, 43.0638



19.0645, 20.8347, 19.1610



29.6060, 43.0005, 6.7395



2.9858, 4.2400, 0.6610



# Inverse Universe

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



48.2647, 39.7070, 99.7281



41.9001, 31.8851, 98.5538



61.9148, 46.7439, 100.3670



17.4539, 17.6102, 22.7291



10.7780, 4.4667, 49.7287



1.1473, 0.4854, 4.8465



# Previews

## White Background



This preview shows how the XYZ color 73.5047, 90.3139, 43.6952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

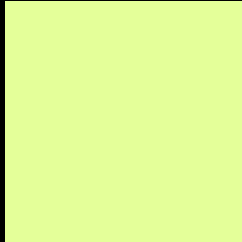
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.5047, 90.3139, 43.6952 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

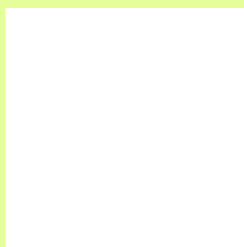
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.5047, 90.3139, 43.6952**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.5047, 90.3139, 43.6952.



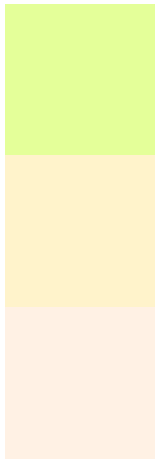
This preview shows how white text looks on a background with the XYZ color 73.5047, 90.3139,



# 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**

73.5047, 90.3139, 43.6952

**Protanopia**

84.0701, 89.6730, 69.3776

**Deuteranopia**

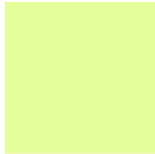
86.6989, 89.7720, 86.1570



## Tritanopia

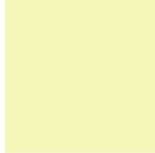
86.7185, 90.1984, 107.4472

# Trichromacy



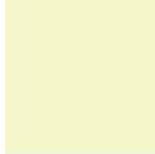
## Original Color

73.5047, 90.3139, 43.6952



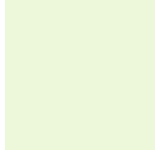
## Protanomaly

79.6739, 89.4368, 58.9627



## Deuteranomaly

81.1546, 89.5411, 68.2642



## Tritanomaly

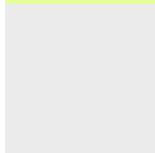
80.8407, 89.5880, 79.3611

# Monochromacy



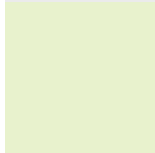
## Original Color

73.5047, 90.3139, 43.6952



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.0503, 85.0678, 70.1691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.5047, 90.3139, 43.6952 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(228, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 153)  
}
```

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(228, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 73.5047, 90.3139, 43.6952 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(228, 255, 153) }
```



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

```
.border{ border-color:rgb(228, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.5047, 90.3139, 43.6952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 153) }
```

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

```
.background{ background-color: rgb(228,  
255, 153) }
```

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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