

# Converting Colors

XYZ(71.4575, 89.2498, 43.9938)

Have a look what the booklet for  
XYZ(71.4575, 89.2498, 43.9938)  
contains.

<b>XYZ(71.4115, 89.2252, 44.0303)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.4115, 89.2252,  
44.0303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDFF9A
RGB	221, 255, 154
RGB Percent	87%, 100%, 60%
CMY	0.1333, 0.0000, 0.3961
CMYK	0.13, 0.00, 0.40, 0.00
HSL	80°, 100%, 80%
HSV	80°, 40%, 100%
XYZ	71.4115, 89.2252, 44.0303
YIQ	233.3200, 12.1570, -38.6190

# Conversions

## Conversions Part 2

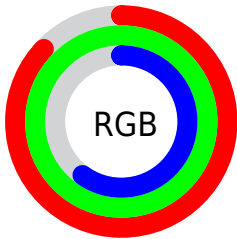
Format	Color
<a href="#">RYB</a>	<a href="#">154, 255, 188</a>
Decimal	<a href="#">14548890</a>
CIELab	<a href="#">95.67, -26.81, 44.64</a>
CIELCh	<a href="#">96, 52.075, 120.983</a>
Yxy	<a href="#">89.2252, 0.3489, 0.4360</a>
Android (android.graphics.Color)	<a href="#">4292738970 (0xFFDDFF9A)</a>
YUV	<a href="#">233.3200, -39.1048, -10.8046</a>
Hunter-Lab	<a href="#">94.4591, -30.3566, 38.4845</a>

# Details

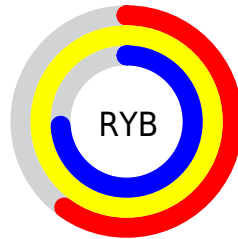
The XYZ color **71.4115, 89.2252, 44.0303** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.3458, 41.0239, 99.8726**, and the grayscale version is **77.9717, 82.0323, 89.3332**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **37.8529, 49.2203, 19.8173** is the 20% darker color. If you saturate the color by 10%, you get **66.9609, 87.1507, 33.8887**, and if you desaturate by 10%, it is **76.4476, 91.5494, 56.5566**.

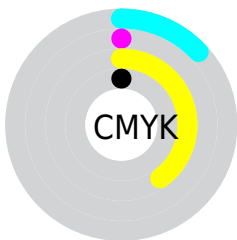
# Distribution



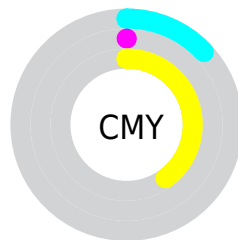
- Red (87%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (74%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4115, 89.2252, 44.0303 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 71.4115, 89.2252, 44.0303 by changing the saturation by 10% instead.





 71.4115, 89.2252,  
44.0303


 71.4115, 89.2252,  
44.0303


454.6801,  
525.5072, 378.8769

 52.9618, 67.3382,  
30.3570


 120.2348,  
146.2617, 82.5663

 37.9996, 49.3595,  
19.8553


 151.3391,  
182.1800, 108.2660

 26.1596, 34.9048,  
12.1069


187.3924,  
223.5442, 138.8117

 17.0764, 23.5895,  
6.6931

228.7600,  
270.7386, 174.6217

 10.3846, 15.0294,  
3.1954

275.8072,  
324.1478, 216.1147

 5.7189, 8.8400,  
1.1953

328.8993,

 2.7140, 4.6370,

384.1560, 263.7092

0.0000

388.4019,  
451.1477, 317.8238

■ 1.0044, 2.0359,  
0.0000

■ 0.0000, 0.6282,  
0.0000

■ 71.4115, 89.2252,  
44.0303

■ 71.4115, 89.2252,  
44.0303

■ 66.9609, 87.1507,  
33.8887

■ 76.4476, 91.5494,  
56.5566

■ 63.0640, 85.3129,  
25.9760

■ 82.0964, 94.1343,  
71.6023

■ 59.6870, 83.6980,  
20.1242

■ 88.3845, 96.9908,  
89.2965

■ 56.7910, 82.2903,  
16.1396

95.0500, 100.0000,  
108.9000

■ 54.3302, 81.0711,  
13.7918

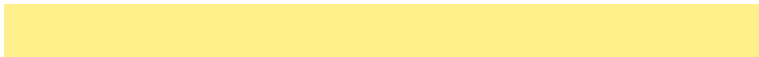
■ 52.2338, 80.0119,  
12.7196

■ 52.1557, 79.9723,  
12.6873

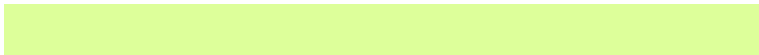
# Harmonies

## Analogous

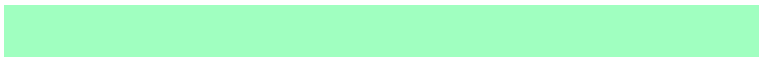
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3346, 89.2252, 37.7283



71.4115, 89.2252, 44.0303



62.9422, 89.2252, 63.7118

# Triad

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



71.4115, 89.2252, 44.0303



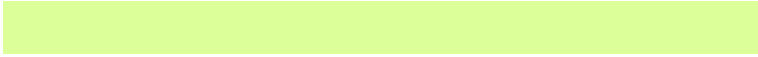
72.1433, 89.2252, 183.6709



115.4097, 89.2252, 95.8051

# Complementary

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



71.4115, 89.2252, 44.0303



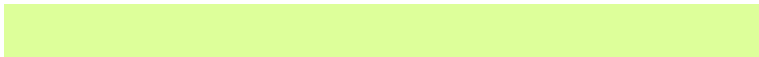
50.3458, 41.0239, 99.8726

# 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.



111.2236, 89.2252, 140.6229



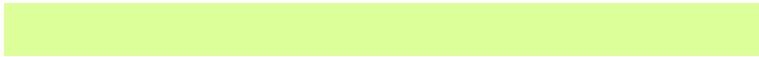
71.4115, 89.2252, 44.0303



85.2789, 89.2252, 199.1998

# Square

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



71.4115, 89.2252, 44.0303



63.3300, 89.2252, 143.6413



99.7784, 89.2252, 181.6111

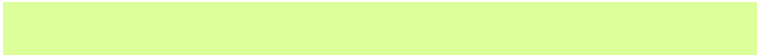


110.6588, 89.2252, 61.9601



# Rectangle

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



71.4115, 89.2252, 44.0303



60.4232, 89.2252, 85.3131



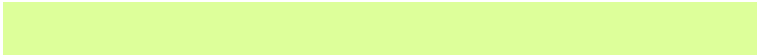
99.7784, 89.2252, 181.6111



114.9975, 89.2252, 110.0364

# Sweetspot

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



71.4118, 89.2254, 44.0316



86.8200, 96.2819, 84.8141



64.9855, 59.4182, 38.6169



18.4037, 20.5269, 17.6442



0.0000, 0.0000, 0.0000

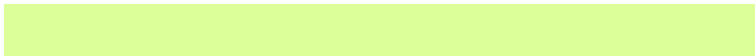


20.3446, 21.4041, 23.3091

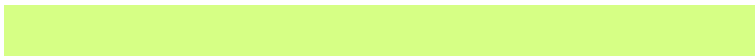


# Same Dimension

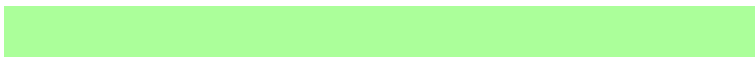
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4118, 89.2254, 44.0316



67.6378, 87.4677, 35.3638



58.3518, 82.4927, 43.4204



18.9324, 20.7666, 19.1548



27.4180, 41.8726, 6.6371



2.7860, 4.1370, 0.6517



# Inverse Universe

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



50.3458, 41.0239, 99.8726



43.7950, 32.8620, 98.6425



64.9221, 48.5383, 100.5548



17.5792, 17.6748, 22.7350



11.5708, 4.8755, 49.7658



1.2374, 0.5318, 4.8507



# Previews

## White Background



This preview shows how the XYZ color 71.4115, 89.2252, 44.0303 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 71.4115, 89.2252, 44.0303 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

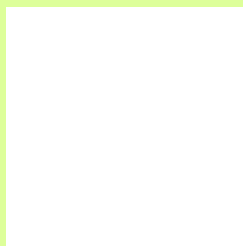
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.4115, 89.2252, 44.0303**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4115, 89.2252, 44.0303.



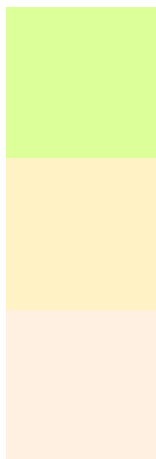
This preview shows how white text looks on a background with the XYZ color 71.4115, 89.2252,



# 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

71.4115, 89.2252, 44.0303

### Protanopia

82.9559, 88.7498, 64.9827

### Deuteranopia

85.9907, 89.0164, 83.8839



## Tritanopia

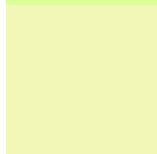
85.0620, 88.9014, 107.2842

# Trichromacy



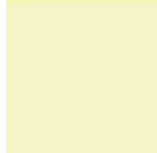
## Original Color

71.4115, 89.2252, 44.0303



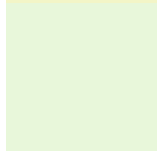
## Protanomaly

78.5634, 88.9124, 56.7371



## Deuteranomaly

79.9234, 88.4830, 66.8994



## Tritanomaly

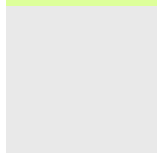
79.1944, 88.7393, 79.2841

# Monochromacy



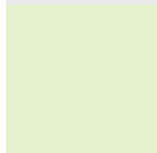
## Original Color

71.4115, 89.2252, 44.0303



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.6675, 83.9282, 69.3911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4115, 89.2252, 44.0303 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(221, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 154)  
}
```

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(221, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4115, 89.2252, 44.0303 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(221, 255, 154) }
```



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

```
.border{ border-color:rgb(221, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4115, 89.2252, 44.0303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 154) }
```

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

```
.background{ background-color: rgb(221,  
255, 154) }
```

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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