

Converting Colors

XYZ(71.7224, 87.9367, 45.5411)

Have a look what the booklet for
XYZ(71.7224, 87.9367, 45.5411)
contains.

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Color

**XYZ(71.7224, 87.9367,
45.5411)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FC9E
RGB	224, 252, 158
RGB Percent	88%, 99%, 62%
CMY	0.1216, 0.0117, 0.3804
CMYK	0.11, 0.00, 0.37, 0.01
HSL	78°, 94%, 80%
HSV	78°, 37%, 99%
XYZ	71.7224, 87.9367, 45.5411
YIQ	232.9120, 13.4860, -35.1700

Conversions

Conversions Part 2

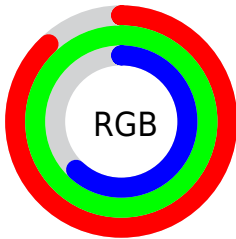
Format	Color
RYB	158, 252, 186
Decimal	14744734
CIELab	95.13, -23.82, 42.04
CIElCh	95, 48.320, 119.536
Yxy	87.9367, 0.3495, 0.4285
Android (android.graphics.Color)	4292934814 (0xFFE0FC9E)
YUV	232.9120, -36.9316, -7.8158
Hunter-Lab	93.7746, -27.5818, 36.8483

Details

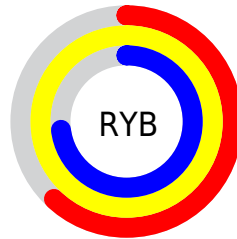
The XYZ color **71.7224, 87.9367, 45.5411** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.0508, 41.9235, 97.5545**, and the grayscale version is **77.6499, 81.6937, 88.9645**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **38.2134, 48.3750, 20.6878** is the 20% darker color. If you saturate the color by 10%, you get **67.4968, 85.9866, 35.1583**, and if you desaturate by 10%, it is **76.4999, 90.1255, 58.2748**.

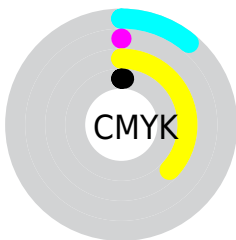
Distribution



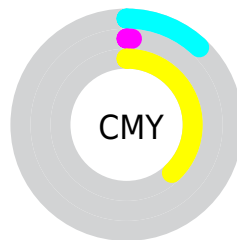
- Red (88%)
- Green (99%)
- Blue (62%)



- Red (62%)
- Yellow (99%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (37%)
- Black (1%)





- Cyan (12%)
- Magenta (1%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7224, 87.9367, 45.5411 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 71.7224, 87.9367, 45.5411 by changing the saturation by 10% instead.


 71.7224, 87.9367,
45.5411


 71.7224, 87.9367,
45.5411

455.7474,
521.2959, 385.1845

 53.2166, 66.2706,
31.5378


 120.6747,
144.4690, 84.8588

 38.2039, 48.4921,
20.7468


 151.8519,
180.1041, 111.0103

 26.3189, 34.2168,
12.7496


187.9837,
221.1643, 142.0483

 17.1963, 23.0602,
7.1277

229.4353,
268.0340, 178.3914

 10.4707, 14.6380,
3.4624

276.5721,
321.0976, 220.4579

 5.7768, 8.5657,
1.3353

329.7595,

 2.7492, 4.4590,

380.7395, 268.6666

0.0905

389.3628,
447.3442, 323.4360

■ 1.0226, 1.9335,
0.0000

■ 0.0000, 0.5684,
0.0000

■ 71.7224, 87.9367,
45.5411

■ 71.7224, 87.9367,
45.5411

■ 67.4968, 85.9866,
35.1583

■ 76.4999, 90.1255,
58.2748

■ 63.7880, 84.2518,
26.9767

■ 81.8492, 92.5520,
73.4859

■ 60.5663, 82.7235,
20.8380

■ 87.7968, 95.2301,
91.2983

■ 57.7959, 81.3872,
16.5603

■ 93.7469, 97.9214,
108.5675

■ 55.4348, 80.2258,
13.9299

■ 94.1023, 98.1046,
108.5841

■ 53.4290, 79.2176,
12.6698

■ 52.9272, 78.9631,
12.4519

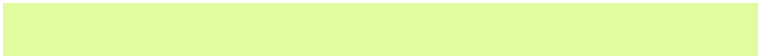
Harmonies

Analogous

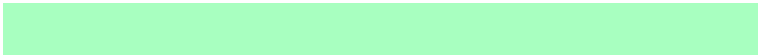
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7863, 87.9367, 40.0441



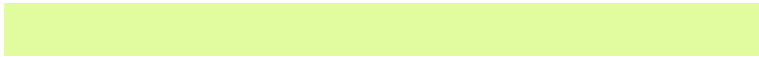
71.7224, 87.9367, 45.5411



63.6207, 87.9367, 63.5180

Triad

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



71.7224, 87.9367, 45.5411



71.4023, 87.9367, 172.7395



111.5102, 87.9367, 96.3362

Complementary

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



71.7224, 87.9367, 45.5411



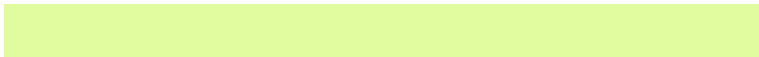
50.0508, 41.9235, 97.5545

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.



107.3327, 87.9367, 137.3693



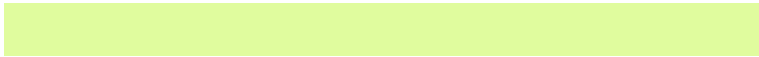
71.7224, 87.9367, 45.5411



83.3764, 87.9367, 187.9837

Square

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



71.7224, 87.9367, 45.5411



63.4500, 87.9367, 136.0802



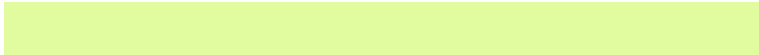
96.6800, 87.9367, 173.6108



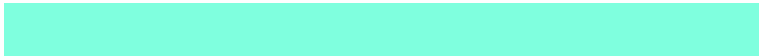
107.5750, 87.9367, 64.2944

Rectangle

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



71.7224, 87.9367, 45.5411



61.0946, 87.9367, 83.1854



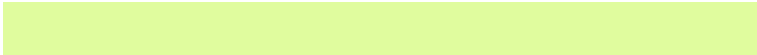
96.6800, 87.9367, 173.6108



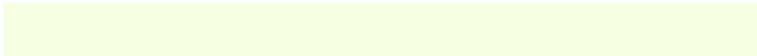
111.0021, 87.9367, 109.5160

Sweetspot

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



71.7246, 87.9406, 45.5430



87.8503, 96.7726, 86.6857



63.5920, 57.7115, 40.1368



18.6251, 20.6330, 18.0182



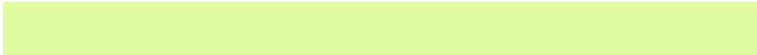
0.0000, 0.0000, 0.0000



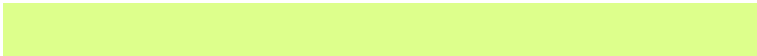
20.3446, 21.4041, 23.3091

Same Dimension

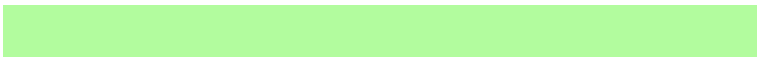
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7246, 87.9406, 45.5430



70.2740, 88.7637, 38.3370



59.4292, 81.6021, 44.9676



18.1944, 19.9160, 18.3476



27.7243, 41.2107, 6.4932



2.6743, 3.8718, 0.6064

Inverse Universe

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



50.0508, 41.9235, 97.5545



45.0177, 35.0982, 99.0097



62.9605, 48.5787, 98.1587



16.7691, 16.8936, 21.7623



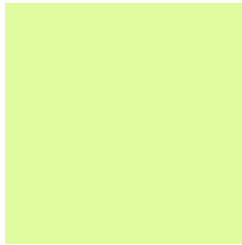
10.7959, 4.5082, 48.2747



1.1015, 0.4699, 4.4758

Previews

White Background



This preview shows how the XYZ color 71.7224, 87.9367, 45.5411 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 71.7224, 87.9367, 45.5411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

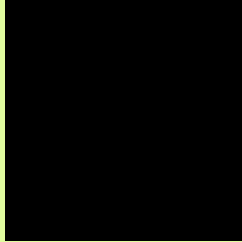
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7224, 87.9367, 45.5411

Background



This preview shows how black text looks on a background with the XYZ color 71.7224, 87.9367, 45.5411.

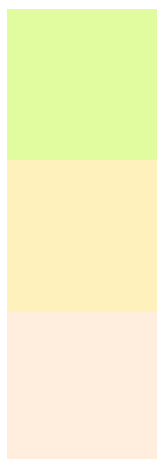


This preview shows how white text looks on a background with the XYZ color 71.7224, 87.9367,

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

71.7224, 87.9367, 45.5411

Protanopia

81.7724, 87.8014, 60.2145

Deuteranopia

84.9994, 87.6830, 81.5518



Tritanopia

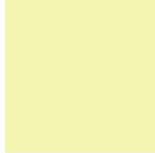
84.4700, 87.7173, 107.0868

Trichromacy



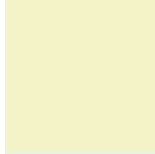
Original Color

71.7224, 87.9367, 45.5411



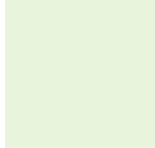
Protanomaly

77.8964, 87.7122, 54.4195



Deuteranomaly

79.6676, 87.4578, 66.7149



Tritanomaly

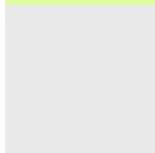
78.8732, 87.1923, 80.3829

Monochromacy



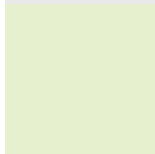
Original Color

71.7224, 87.9367, 45.5411



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.9338, 83.5994, 70.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7224, 87.9367, 45.5411 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(224, 252, 158)` looks like.

```
.text, #text, p{  
    color:rgb(224, 252, 158)  
}
```

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(224, 252, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 252, 158) }
```

Border

The CSS property to change the border of an element to XYZ 71.7224, 87.9367, 45.5411 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(224, 252, 158) }
```


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

```
.border{ border-color:rgb(224, 252, 158) }
```

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

Here you see how a box with a 4 pixel rgb(224, 252, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 252, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 252, 158);  
box-shadow:4px 4px 4px 4px rgb(224, 252,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7224, 87.9367, 45.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 252, 158) }
```

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

```
.background{ background-color: rgb(224,  
252, 158) }
```

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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