

Converting Colors

XYZ(71.4247, 89.0232, 53.4644)

Have a look what the booklet for
XYZ(71.4247, 89.0232, 53.4644)
contains.

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Color

**XYZ(71.4243, 89.0231,
53.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFAE
RGB	215, 255, 174
RGB Percent	84%, 100%, 68%
CMY	0.1569, 0.0000, 0.3176
CMYK	0.16, 0.00, 0.32, 0.00
HSL	90°, 100%, 84%
HSV	90°, 32%, 100%
XYZ	71.4243, 89.0231, 53.4631
YIQ	233.8060, 2.1610, -33.6710

Conversions

Conversions Part 2

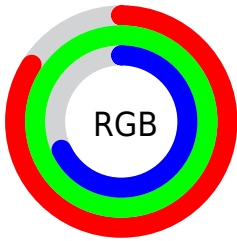
Format	Color
RYB	174, 255, 214
Decimal	14155694
CIELab	95.59, -26.42, 34.61
CIELCh	96, 43.542, 127.350
Yxy	89.0231, 0.3339, 0.4162
Android (android.graphics.Color)	4292345774 (0xFFD7FFAE)
YUV	233.8060, -29.4844, -16.4929
Hunter-Lab	94.3521, -29.9920, 32.4507

Details

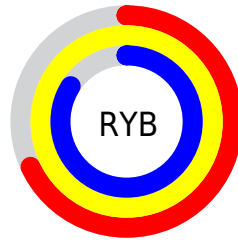
The XYZ color **71.4243, 89.0231, 53.4631** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.9187, 51.7895, 101.3934**, and the grayscale version is **78.2742, 82.3506, 89.6798**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **37.9433, 49.1396, 25.5742** is the 20% darker color. If you saturate the color by 10%, you get **65.6127, 86.2876, 41.4230**, and if you desaturate by 10%, it is **77.9933, 92.0944, 68.0046**.

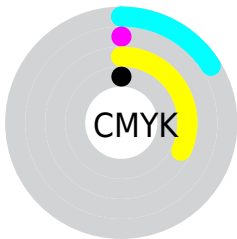
Distribution



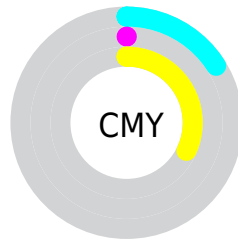
- Red (84%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (84%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4243, 89.0231, 53.4631 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 71.4243, 89.0231, 53.4631 by changing the saturation by 10% instead.


 71.4243, 89.0231,
53.4631

 71.4243, 89.0231,
53.4631


454.7241,
524.8479, 417.1759

 52.9723, 67.1707,
37.7823


 120.2529,
145.9807, 96.7339

 38.0081, 49.2234,
25.5133


151.3603,
181.8547, 125.1610

 26.1662, 34.7967,
16.2374

187.4168,
223.1713, 158.6740

 17.0813, 23.5063,
9.5361

228.7878,
270.3149, 197.6914

 10.3882, 14.9678,
4.9909

275.8387,
323.6700, 242.6318

 5.7213, 8.7968,
2.1833

328.9348,

 2.7154, 4.6089,

383.6210, 293.9136

0.6647

388.4415,
450.5521, 351.9555

■ 1.0051, 2.0197,
0.0000

■ 0.0000, 0.6189,
0.0000

■ 71.4243, 89.0231,
53.4631

■ 71.4243, 89.0231,
53.4631

■ 65.6127, 86.2876,
41.4230

■ 77.9933, 92.0944,
68.0046

■ 60.5243, 83.8734,
31.7389

■ 85.3494, 95.5142,
85.1737

■ 56.1232, 81.7657,
24.2568

■ 93.5218, 99.2949,
105.0928

■ 52.3698, 79.9475,
18.8026

■ 95.0500, 100.0000,
108.9000

■ 49.2188, 78.4001,
15.1756

■ 46.6170, 77.1014,
13.1347

■ 44.8241, 76.1927,
12.3442

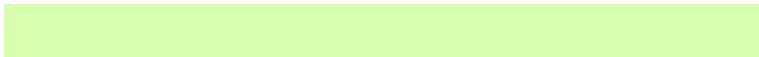
Harmonies

Analogous

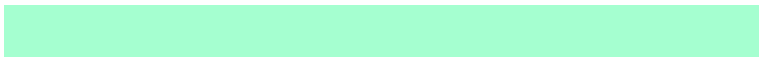
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7078, 89.0231, 45.2154



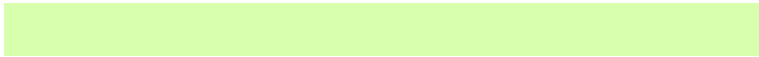
71.4243, 89.0231, 53.4631



65.1293, 89.0231, 73.7323

Triad

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



71.4243, 89.0231, 53.4631



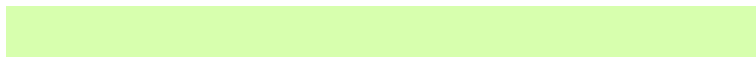
76.0696, 89.0231, 171.2341



109.5114, 89.0231, 88.7529

Complementary

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



71.4243, 89.0231, 53.4631



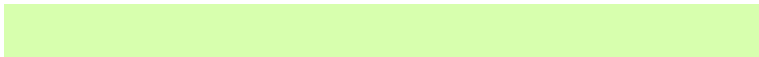
60.9187, 51.7895, 101.3934

Split Complementary

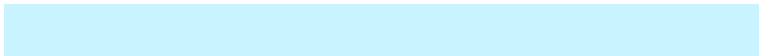
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.6417, 89.0231, 124.5471



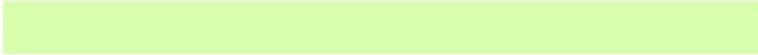
71.4243, 89.0231, 53.4631



87.5878, 89.0231, 177.9467

Square

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



71.4243, 89.0231, 53.4631



67.6298, 89.0231, 142.5902



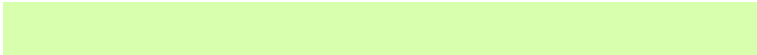
99.3346, 89.0231, 159.2226



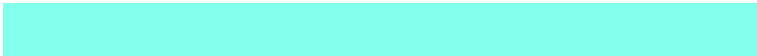
104.2269, 89.0231, 62.2357

Rectangle

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



71.4243, 89.0231, 53.4631



63.6724, 89.0231, 93.9204



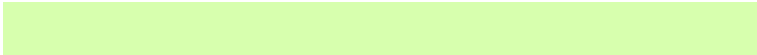
99.3346, 89.0231, 159.2226



109.7066, 89.0231, 100.0053

Sweetspot

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



71.4247, 89.0232, 53.4644



86.7307, 96.1545, 88.4838



72.7125, 71.9807, 50.1070



18.3279, 20.4716, 18.3731



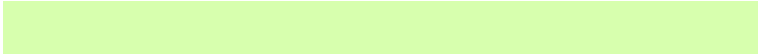
0.0000, 0.0000, 0.0000



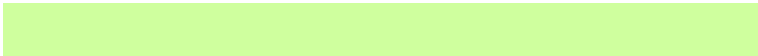
20.3446, 21.4041, 23.3091

Same Dimension

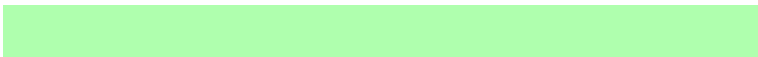
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4247, 89.0232, 53.4644



67.7135, 87.2787, 45.6705



61.1586, 83.7309, 52.9840



18.6480, 20.6200, 19.1415



23.5942, 39.9014, 6.4582



2.4233, 3.9500, 0.6347

Inverse Universe

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



60.9187, 51.7895, 101.3934



55.7344, 44.8229, 100.3219



73.9316, 58.4979, 102.0024



17.8574, 17.8182, 22.7480



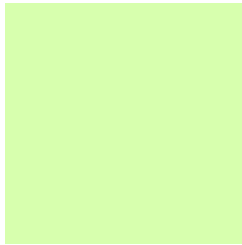
14.0935, 6.1760, 49.8839



1.4980, 0.6662, 4.8629

Previews

White Background



This preview shows how the XYZ color 71.4243, 89.0231, 53.4631 looks on a white background.

Color Contrast Check

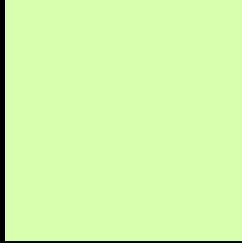
Large Text (above 18pt) WCAG AA × Fail

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 71.4243, 89.0231, 53.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

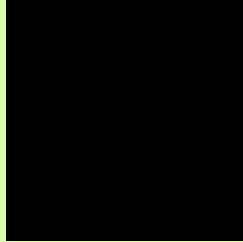
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

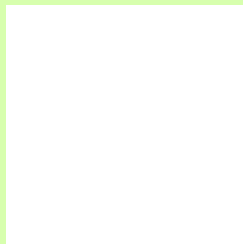
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4243, 89.0231, 53.4631

Background



This preview shows how black text looks on a background with the XYZ color 71.4243, 89.0231, 53.4631.

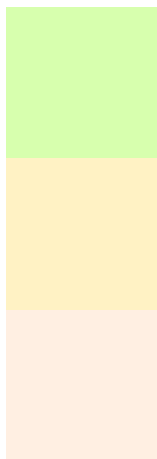


This preview shows how white text looks on a background with the XYZ color 71.4243, 89.0231,

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

71.4243, 89.0231, 53.4631

Protanopia

82.9559, 88.7498, 64.9827

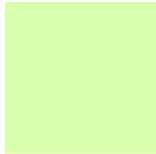
Deuteranopia

85.8340, 88.4840, 84.5067

Tritanopia

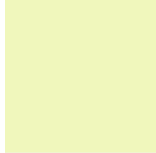
84.0323, 88.8136, 107.3215

Trichromacy



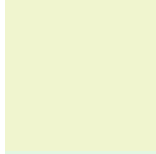
Original Color

71.4243, 89.0231, 53.4631



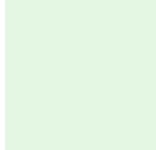
Protanomaly

78.2730, 88.6776, 60.5680



Deuteranomaly

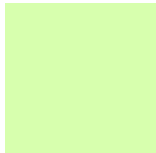
79.8501, 88.3351, 71.8733



Tritanomaly

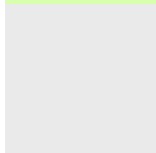
78.6668, 88.3434, 84.8573

Monochromacy



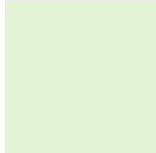
Original Color

71.4243, 89.0231, 53.4631



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.3143, 84.5886, 74.6451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4243, 89.0231, 53.4631 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(215, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 174)  
}
```

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(215, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 71.4243, 89.0231, 53.4631 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(215, 255, 174) }
```


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

```
.border{ border-color:rgb(215, 255, 174) }
```

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

Here you see how a box with a 4 pixel rgb(215, 255, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4243, 89.0231, 53.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 174) }
```

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

```
.background{ background-color: rgb(215,  
255, 174) }
```

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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