

Converting Colors

XYZ(76.6656, 100.0000,
44.9331)

Have a look what the booklet for
XYZ(76.6656, 100.0000, 44.9331)
contains.

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Color

**XYZ(71.2463, 89.1592,
43.1601)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFF98
RGB	221, 255, 152
RGB Percent	87%, 100%, 60%
CMY	0.1333, 0.0000, 0.4039
CMYK	0.13, 0.00, 0.40, 0.00
HSL	80°, 100%, 80%
HSV	80°, 40%, 100%
XYZ	71.2463, 89.1592, 43.1601
YIQ	233.0920, 12.7990, -39.2410

Conversions

Conversions Part 2

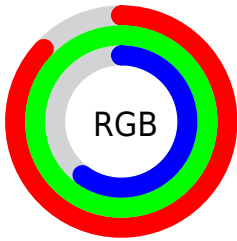
Format	Color
RYB	152, 255, 186
Decimal	14548888
CIELab	95.65, -27.04, 45.58
CIELCh	96, 52.995, 120.679
Yxy	89.1592, 0.3500, 0.4380
Android (android.graphics.Color)	4292738968 (0xFFDDFF98)
YUV	233.0920, -39.9784, -10.6047
Hunter-Lab	94.4241, -30.5578, 38.9962

Details

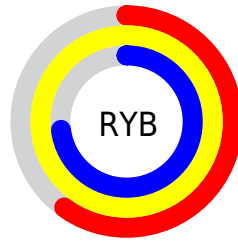
The XYZ color **71.2463, 89.1592, 43.1601** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.5291, 40.1168, 99.7406**, and the grayscale version is **77.8056, 81.8575, 89.1428**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **37.7561, 49.1815, 19.3074** is the 20% darker color. If you saturate the color by 10%, you get **66.8780, 87.1231, 33.2008**, and if you desaturate by 10%, it is **76.1926, 91.4412, 55.4924**.

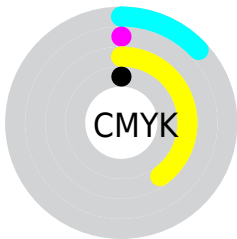
Distribution



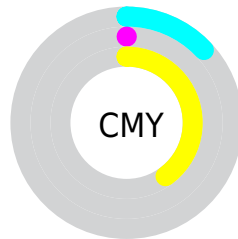
- Red (87%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (73%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2463, 89.1592, 43.1601 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 71.2463, 89.1592, 43.1601 by changing the saturation by 10% instead.


 71.2463, 89.1592,
43.1601


 71.2463, 89.1592,
43.1601


454.1124,
525.2920, 375.2103

 52.8265, 67.2835,
29.6784


 120.0010,
146.1699, 81.2413

 37.8912, 49.3151,
19.3447


 151.0665,
182.0738, 106.6780

 26.0751, 34.8695,
11.7403

187.0780,
223.4224, 136.9367

 17.0128, 23.5623,
6.4467

228.4009,
270.6003, 172.4361

 10.3390, 15.0093,
3.0454

275.4004,
323.9918, 213.5945

 5.6883, 8.8259,
1.1179

328.4419,

 2.6953, 4.6278,

383.9813, 260.8307

0.0000

387.8908,
450.9532, 314.5631

■ 0.9948, 2.0306,
0.0000

■ 0.0000, 0.6251,
0.0000

■ 71.2463, 89.1592,
43.1601

■ 71.2463, 89.1592,
43.1601

■ 66.8780, 87.1231,
33.2008

■ 76.1926, 91.4412,
55.4924

■ 63.0561, 85.3203,
25.4577

■ 81.7445, 93.9806,
70.3334

■ 59.7465, 83.7368,
19.7611

■ 87.9284, 96.7881,
87.8130

■ 56.9100, 82.3567,
15.9149

94.7689, 99.8736,
108.0510

■ 54.5002, 81.1613,
13.6851

95.0500, 100.0000,
108.9000

■ 52.5161, 80.1581,
12.7042

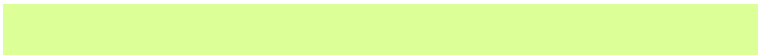
Harmonies

Analogous

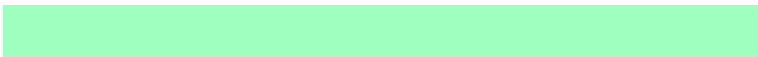
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4120, 89.1592, 36.9507



71.2463, 89.1592, 43.1601



62.6021, 89.1592, 62.8703

Triad

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



71.2463, 89.1592, 43.1601



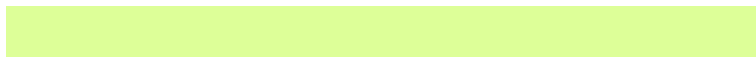
71.7591, 89.1592, 185.1099



115.9334, 89.1592, 96.1327

Complementary

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



71.2463, 89.1592, 43.1601



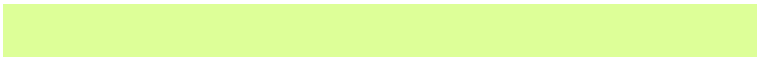
49.5291, 40.1168, 99.7406

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.



111.5716, 89.1592, 141.8755



71.2463, 89.1592, 43.1601



85.0752, 89.1592, 201.3496

Square

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



71.2463, 89.1592, 43.1601



62.8734, 89.1592, 144.0042



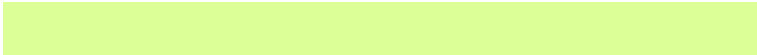
99.8452, 89.1592, 183.6535



111.1738, 89.1592, 61.6471

Rectangle

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



71.2463, 89.1592, 43.1601



60.0098, 89.1592, 84.6628



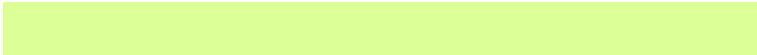
99.8452, 89.1592, 183.6535



115.4808, 89.1592, 110.6538

Sweetspot

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



71.2466, 89.1593, 43.1614



86.8898, 96.3178, 84.8174



64.1770, 58.0657, 37.5323



18.4201, 20.5354, 17.6450



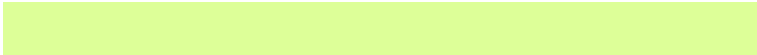
0.0000, 0.0000, 0.0000



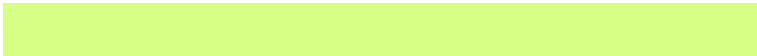
20.3446, 21.4041, 23.3091

Same Dimension

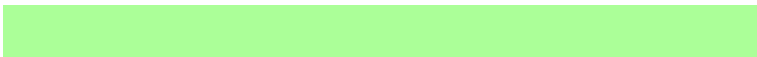
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2466, 89.1593, 43.1614



67.8716, 87.5883, 35.3747



58.1974, 82.4322, 42.5507



18.9443, 20.7727, 19.1554



27.6051, 41.9690, 6.6459



2.8033, 4.1459, 0.6525

Inverse Universe

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



49.5291, 40.1168, 99.7406



43.6175, 32.7705, 98.6342



63.9097, 47.5303, 100.4136



17.5678, 17.6689, 22.7345



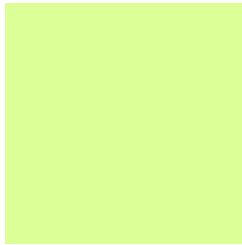
11.4899, 4.8337, 49.7620



1.2285, 0.5272, 4.8503

Previews

White Background



This preview shows how the XYZ color 71.2463, 89.1592, 43.1601 looks on a white background.

Color Contrast Check

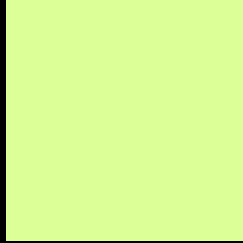
Large Text (above 18pt) WCAG AA × Fail

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 71.2463, 89.1592, 43.1601 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

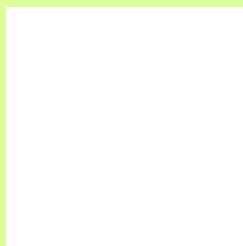
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2463, 89.1592, 43.1601

Background



This preview shows how black text looks on a background with the XYZ color 71.2463, 89.1592, 43.1601.



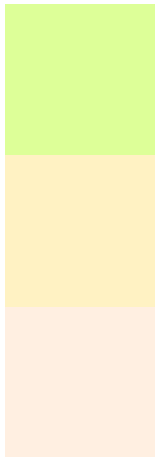
This preview shows how white text looks on a background with the XYZ color 71.2463, 89.1592,

43.1601.

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

71.2463, 89.1592, 43.1601

Protanopia

82.8425, 88.7044, 64.3852

Deuteranopia

85.6971, 88.4292, 83.7860



Tritanopia

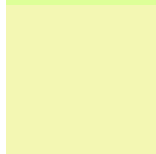
85.0620, 88.9014, 107.2842

Trichromacy



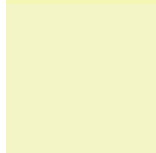
Original Color

71.2463, 89.1592, 43.1601



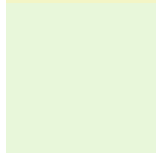
Protanomaly

78.3596, 88.8309, 55.6639



Deuteranomaly

79.8076, 88.4367, 66.2898



Tritanomaly

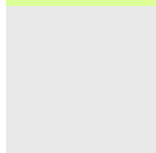
79.1944, 88.7393, 79.2841

Monochromacy



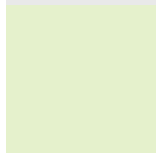
Original Color

71.2463, 89.1592, 43.1601



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 71.2463, 89.1592, 43.1601 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 152) }
```

Border

The CSS property to change the border of an element to XYZ 71.2463, 89.1592, 43.1601 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, 152) }
```


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

```
.border{ border-color:rgb(221, 255, 152) }
```

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, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2463, 89.1592, 43.1601 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, 152) }
```

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

```
.background{ background-color: rgb(221,  
255, 152) }
```

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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