

Converting Colors

XYZ(77.7662, 100.0000,
63.4694)

Have a look what the booklet for
XYZ(77.7662, 100.0000, 63.4694)
contains.

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Color

**XYZ(72.3859, 89.3403,
61.5734)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFBD
RGB	213, 255, 189
RGB Percent	84%, 100%, 74%
CMY	0.1647, 0.0000, 0.2588
CMYK	0.16, 0.00, 0.26, 0.00
HSL	98°, 100%, 87%
HSV	98°, 26%, 100%
XYZ	72.3859, 89.3403, 61.5734
YIQ	234.9180, -3.8460, -29.4300

Conversions

Conversions Part 2

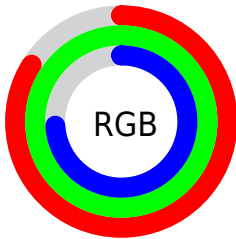
Format	Color
RYB	189, 255, 231
Decimal	14024637
CIELab	95.72, -24.96, 27.24
CIELCh	96, 36.940, 132.499
Yxy	89.3403, 0.3242, 0.4001
Android (android.graphics.Color)	4292214717 (0xFFD5FFBD)
YUV	234.9180, -22.6376, -19.2221
Hunter-Lab	94.5200, -28.7100, 27.5406

Details

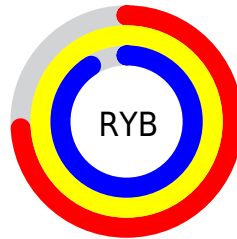
The XYZ color **72.3859, 89.3403, 61.5734** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2036, 60.6054, 102.6583**, and the grayscale version is **79.0717, 83.1895, 90.5934**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **38.6678, 49.4065, 30.4201** is the 20% darker color. If you saturate the color by 10%, you get **65.3826, 86.0221, 48.0447**, and if you desaturate by 10%, it is **80.3479, 93.0964, 77.6898**.

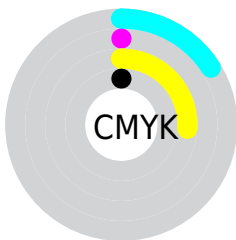
Distribution



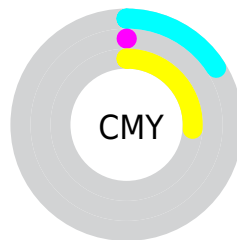
- Red (84%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3859, 89.3403, 61.5734 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 72.3859, 89.3403, 61.5734 by changing the saturation by 10% instead.


 72.3859, 89.3403,
61.5734

 72.3859, 89.3403,
61.5734


458.0205,
525.8825, 448.3379

 53.7606, 67.4336,
44.2545

 121.6129,
146.4217, 108.6743

 38.6402, 49.4371,
30.5320


152.9452,
182.3652, 139.2935

 26.6594, 34.9663,
19.9873

189.2439,
223.7565, 175.1831

 17.4528, 23.6369,
12.2018

230.8743,
270.9798, 216.7618

 10.6552, 15.0645,
6.7571

278.2018,
324.4197, 264.4481

 5.9010, 8.8647,
3.2345

331.5918,

 2.8251, 4.6530,

384.4606, 318.6605

1.2156

391.4096,
451.4867, 379.8176

■ 1.0620, 2.0452,
0.0000

■ 0.0000, 0.6335,
0.0000

■ 72.3859, 89.3403,
61.5734

■ 72.3859, 89.3403,
61.5734

■ 65.3826, 86.0221,
48.0447

■ 80.3479, 93.0964,
77.6898

■ 59.2973, 83.1240,
36.9649

■ 89.3040, 97.3060,
96.5150

■ 54.0883, 80.6275,
28.1882

95.0500, 100.0000,
108.9000

■ 49.7096, 78.5125,
21.5518

■ 46.1103, 76.7569,
16.8715

■ 43.2326, 75.3355,
13.9319

■ 41.0079, 74.2187,
12.4660

■ 40.2464, 73.8328,
12.1300

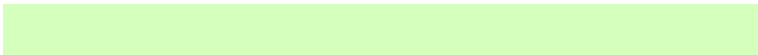
Harmonies

Analogous

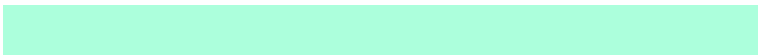
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7559, 89.3403, 52.2294



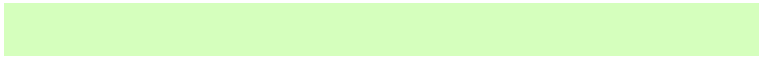
72.3859, 89.3403, 61.5734



67.6087, 89.3403, 81.3986

Triad

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



72.3859, 89.3403, 61.5734



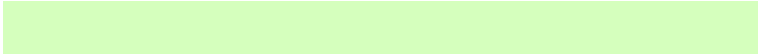
79.1733, 89.3403, 161.0079



105.4579, 89.3403, 85.6599

Complementary

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



72.3859, 89.3403, 61.5734



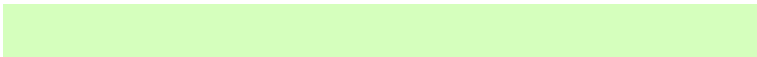
69.2036, 60.6054, 102.6583

Split Complementary

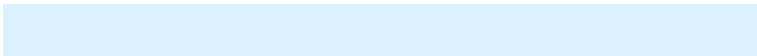
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9488, 89.3403, 115.0953



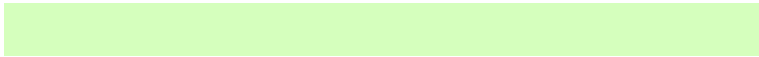
72.3859, 89.3403, 61.5734



89.2151, 89.3403, 162.7831

Square

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



72.3859, 89.3403, 61.5734



71.3072, 89.3403, 140.1951



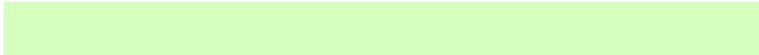
98.8130, 89.3403, 144.6476



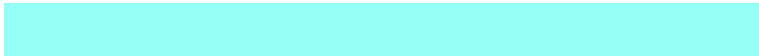
100.1530, 89.3403, 64.1546

Rectangle

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



72.3859, 89.3403, 61.5734



66.8505, 89.3403, 99.7372



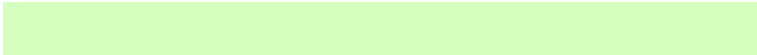
98.8130, 89.3403, 144.6476



105.9724, 89.3403, 94.8564

Sweetspot

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



72.3864, 89.3405, 61.5747



87.3218, 96.3755, 92.2946



78.9458, 81.9746, 59.8073



18.3951, 20.4896, 19.1297



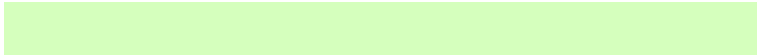
0.0000, 0.0000, 0.0000



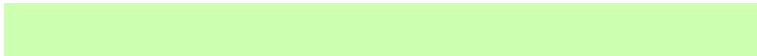
20.3446, 21.4041, 23.3091

Same Dimension

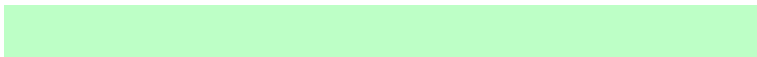
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3864, 89.3405, 61.5747



68.6842, 87.5884, 54.3346



66.9171, 86.4072, 66.4578



18.3951, 20.4896, 19.1297



21.1784, 38.6559, 6.3451



2.1768, 3.8230, 0.6232

Inverse Universe

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



69.2036, 60.6054, 102.6583



65.0097, 54.4611, 101.6934



76.1034, 64.3223, 95.7544



18.1146, 17.9508, 22.7601



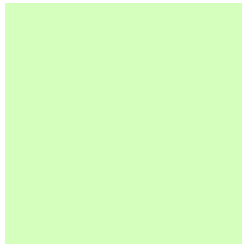
17.4160, 7.8888, 50.0393



1.8157, 0.8299, 4.8778

Previews

White Background



This preview shows how the XYZ color 72.3859, 89.3403, 61.5734 looks on a white background.

Color Contrast Check

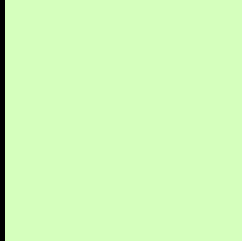
Large Text (above 18pt) WCAG AA × Fail

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 72.3859, 89.3403, 61.5734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

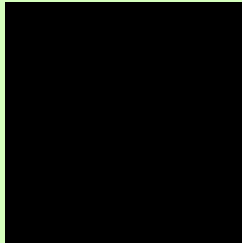
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

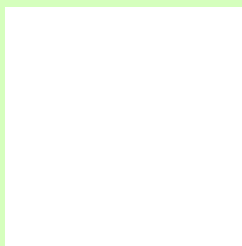
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3859, 89.3403, 61.5734

Background



This preview shows how black text looks on a background with the XYZ color 72.3859, 89.3403, 61.5734.



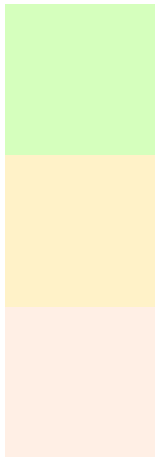
This preview shows how white text looks on a background with the XYZ color 72.3859, 89.3403,

61.5734.

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

72.3859, 89.3403, 61.5734

Protanopia

83.4175, 88.9344, 67.4131

Deuteranopia

86.2494, 88.6501, 86.6941



Tritanopia

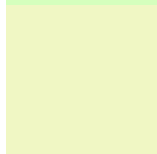
84.0050, 89.2450, 107.4062

Trichromacy



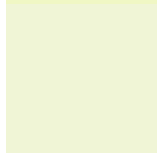
Original Color

72.3859, 89.3403, 61.5734



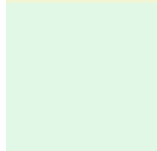
Protanomaly

79.1598, 89.0323, 65.2373



Deuteranomaly

80.7252, 88.6851, 76.4816



Tritanomaly

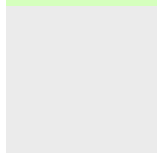
79.3552, 89.0731, 88.6117

Monochromacy



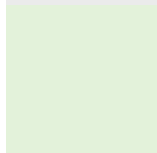
Original Color

72.3859, 89.3403, 61.5734



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.0856, 84.8971, 78.7063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3859, 89.3403, 61.5734 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(213, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 189)  
}
```

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(213, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 72.3859, 89.3403, 61.5734 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(213, 255, 189) }
```


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

```
.border{ border-color:rgb(213, 255, 189) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3859, 89.3403, 61.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 189) }
```

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

```
.background{ background-color: rgb(213,  
255, 189) }
```

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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