

Converting Colors

XYZ(121.4991, 188.2853,
78.3170)

Have a look what the booklet for
XYZ(121.4991, 188.2853, 78.3170)
contains.

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Color

**XYZ(71.8093, 89.0430,
61.5464)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FFBD
RGB	211, 255, 189
RGB Percent	83%, 100%, 74%
CMY	0.1725, 0.0000, 0.2588
CMYK	0.17, 0.00, 0.26, 0.00
HSL	100°, 100%, 87%
HSV	100°, 26%, 100%
XYZ	71.8093, 89.0430, 61.5464
YIQ	234.3200, -5.0380, -29.8540

Conversions

Conversions Part 2

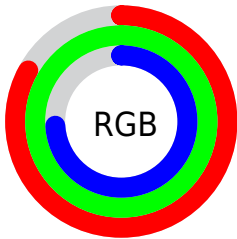
Format	Color
RYB	189, 255, 233
Decimal	13893565
CIELab	95.60, -25.64, 27.05
CIELCh	96, 37.266, 133.468
Yxy	89.0430, 0.3229, 0.4004
Android (android.graphics.Color)	4292083645 (0xFFD3FFBD)
YUV	234.3200, -22.3428, -20.4516
Hunter-Lab	94.3626, -29.2973, 27.3829

Details

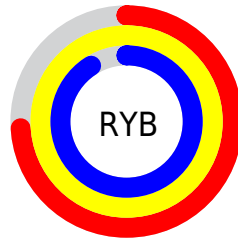
The XYZ color **71.8093, 89.0430, 61.5464** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.8528, 60.9401, 102.6887**, and the grayscale version is **78.6155, 82.7096, 90.0708**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **38.2776, 49.2054, 30.4018** is the 20% darker color. If you saturate the color by 10%, you get **64.6643, 85.6518, 48.0111**, and if you desaturate by 10%, it is **79.9572, 92.8949, 77.6715**.

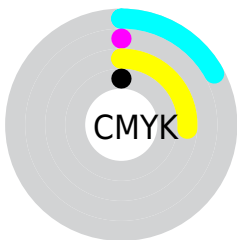
Distribution



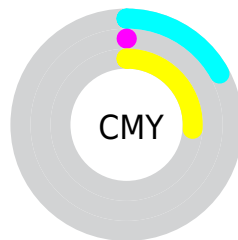
- Red (83%)
- Green (100%)
- Blue (74%)



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



- Cyan (17%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8093, 89.0430, 61.5464 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 71.8093, 89.0430, 61.5464 by changing the saturation by 10% instead.


 71.8093, 89.0430,
61.5464

 71.8093, 89.0430,
61.5464


456.0455,
524.9128, 448.2365

 53.2878, 67.1872,
44.2329


 120.7976,
146.0084, 108.6349

 38.2610, 49.2368,
30.5151


151.9952,
181.8867, 139.2470

 26.3634, 34.8073,
19.9745


188.1488,
223.2080, 175.1289

 17.2298, 23.5145,
12.1926

229.6239,
270.3567, 216.6994

 10.4948, 14.9739,
6.7509

276.7857,
323.7171, 264.3768

 5.7930, 8.8010,
3.2307

329.9997,

 2.7591, 4.6116,

383.6737, 318.5798

1.2136

389.6312,
450.6108, 379.7268

■ 1.0277, 2.0213,
0.0000

■ 0.0000, 0.6198,
0.0000

■ 71.8093, 89.0430,
61.5464

■ 71.8093, 89.0430,
61.5464

■ 64.6643, 85.6518,
48.0111

■ 79.9572, 92.8949,
77.6715

■ 58.4792, 82.7022,
36.9266

■ 89.1452, 97.2241,
96.5076

■ 53.2100, 80.1747,
28.1471

95.0500, 100.0000,
108.9000

■ 48.8081, 78.0478,
21.5096

■ 45.2201, 76.2980,
16.8298

■ 42.3851, 74.8986,
13.8922

■ 40.2312, 73.8183,
12.4297

■ 39.5061, 73.4512,
12.0953

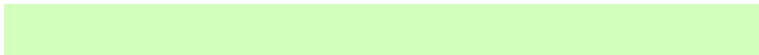
Harmonies

Analogous

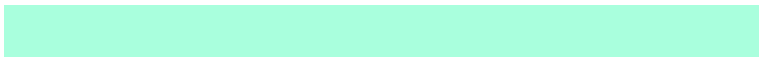
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1337, 89.0430, 51.8400



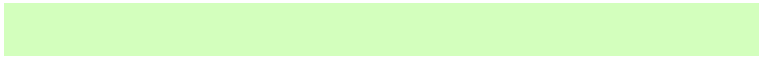
71.8093, 89.0430, 61.5464



67.1419, 89.0430, 81.7905

Triad

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



71.8093, 89.0430, 61.5464



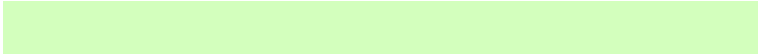
79.1582, 89.0430, 161.6040



105.2388, 89.0430, 84.4155

Complementary

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



71.8093, 89.0430, 61.5464



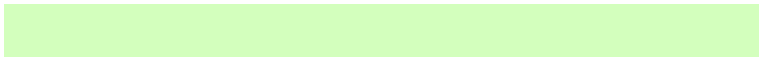
69.8528, 60.9401, 102.6887

Split Complementary

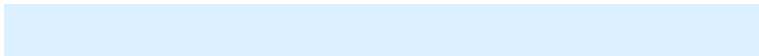
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9244, 89.0430, 113.8817



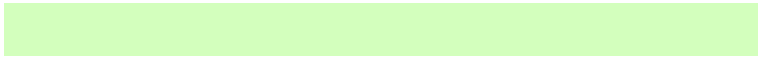
71.8093, 89.0430, 61.5464



89.2970, 89.0430, 162.7024

Square

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



71.8093, 89.0430, 61.5464



71.1449, 89.0430, 141.0996



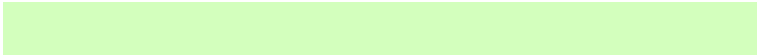
98.8985, 89.0430, 143.8524



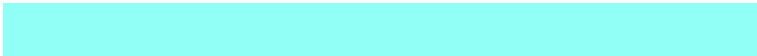
99.7258, 89.0430, 63.1329

Rectangle

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



71.8093, 89.0430, 61.5464



66.4781, 89.0430, 100.4005



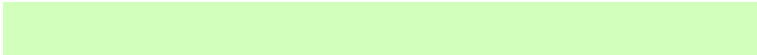
98.8985, 89.0430, 143.8524



105.8238, 89.0430, 93.5847

Sweetspot

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



71.8098, 89.0433, 61.5477



87.1099, 96.2663, 92.2847



79.5647, 83.2125, 60.0136



18.3420, 20.4622, 19.1272



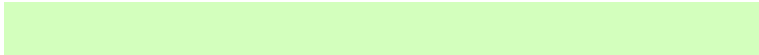
0.0000, 0.0000, 0.0000



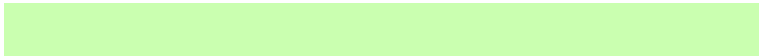
20.3446, 21.4041, 23.3091

Same Dimension

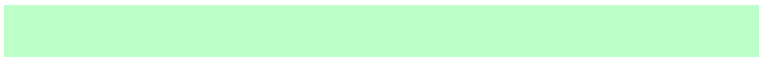
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8098, 89.0433, 61.5477



68.0297, 87.2510, 54.3039



67.1724, 86.5093, 67.8024



18.3420, 20.4622, 19.1272



20.7834, 38.4523, 6.3266



2.1339, 3.8008, 0.6212

Inverse Universe

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



69.8528, 60.9401, 102.6887



65.7673, 54.8517, 101.7289



75.7673, 64.1879, 93.9844



18.1699, 17.9793, 22.7626



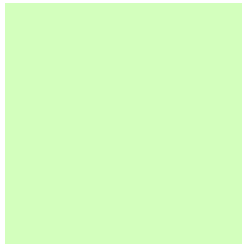
18.2588, 8.3232, 50.0788



1.8938, 0.8702, 4.8814

Previews

White Background



This preview shows how the XYZ color 71.8093, 89.0430, 61.5464 looks on a white background.

Color Contrast Check

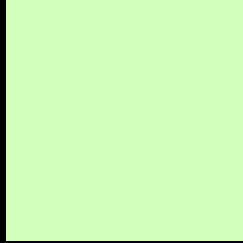
Large Text (above 18pt) WCAG AA × Fail

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 71.8093, 89.0430, 61.5464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

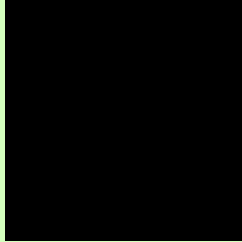
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

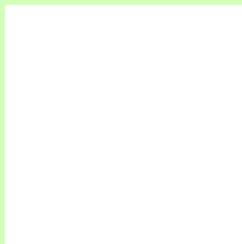
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8093, 89.0430, 61.5464

Background



This preview shows how black text looks on a background with the XYZ color 71.8093, 89.0430, 61.5464.



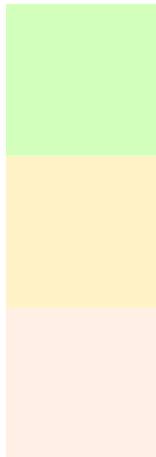
This preview shows how white text looks on a background with the XYZ color 71.8093, 89.0430,

61.5464.

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

71.8093, 89.0430, 61.5464

Protanopia

83.1852, 88.8415, 66.1899

Deuteranopia

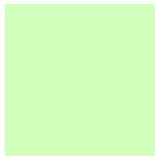
86.1101, 88.5944, 85.9607



Tritanopia

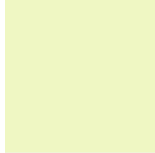
83.3557, 88.9103, 107.3758

Trichromacy



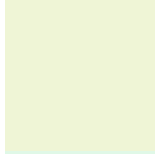
Original Color

71.8093, 89.0430, 61.5464



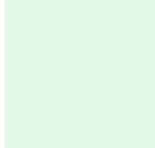
Protanomaly

78.7077, 88.8124, 64.6239



Deuteranomaly

80.3866, 88.5106, 76.4658



Tritanomaly

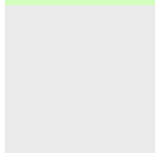
78.7317, 88.7516, 88.5825

Monochromacy



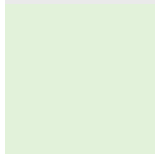
Original Color

71.8093, 89.0430, 61.5464



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7711, 84.7350, 78.6916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8093, 89.0430, 61.5464 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(211, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 71.8093, 89.0430, 61.5464 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(211, 255, 189) }
```


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

```
.border{ border-color:rgb(211, 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(211, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8093, 89.0430, 61.5464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 189) }
```

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

```
.background{ background-color: rgb(211,  
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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