

Converting Colors

XYZ(74.9145, 90.0033, 71.1291)

Have a look what the booklet for
XYZ(74.9145, 90.0033, 71.1291)
contains.

XYZ(74.7802, 89.8903, 71.1668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.7802, 89.8903,
71.1668)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FECD
RGB	216, 254, 205
RGB Percent	85%, 100%, 80%
CMY	0.1529, 0.0039, 0.1961
CMYK	0.15, 0.00, 0.19, 0.00
HSL	107°, 96%, 90%
HSV	107°, 19%, 100%
XYZ	74.7802, 89.8903, 71.1668
YIQ	237.0520, -6.9190, -23.2950

Conversions

Conversions Part 2

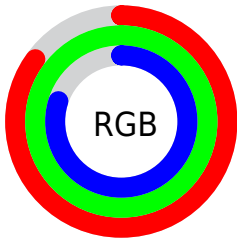
Format	Color
R_{YB}	205, 254, 243
Decimal	14221005
CIE _{Lab}	95.95, -20.96, 19.45
CIE _{LCh}	96, 28.597, 137.141
Yxy	89.8903, 0.3171, 0.3812
Android (android.graphics.Color)	4292411085 (0xFFD8FECD)
YUV	237.0520, -15.8016, -18.4626
Hunter-Lab	94.8105, -25.1295, 21.8630

Details

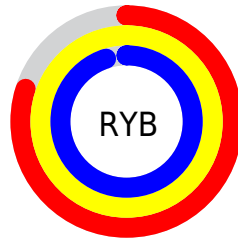
The XYZ color **74.7802, 89.8903, 71.1668** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.6864, 69.8755, 103.2161**, and the grayscale version is **80.6600, 84.8606, 92.4132**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2501, 49.7439, 36.7583** is the 20% darker color. If you saturate the color by 10%, you get **66.4849, 85.9425, 56.0519**, and if you desaturate by 10%, it is **84.2758, 94.4046, 88.9398**.

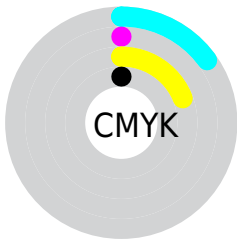
Distribution



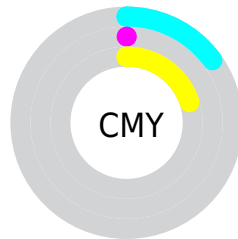
- Red (85%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.7802, 89.8903, 71.1668 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 74.7802, 89.8903, 71.1668 by changing the saturation by 10% instead.


 74.7802, 89.8903,
71.1668

 74.7802, 89.8903,
71.1668


466.1706,
527.6739, 483.5357

 55.7264, 67.8897,
51.9957


124.9907,
147.1860, 122.5679

 40.2197, 49.8080,
36.6194


156.8782,
183.2499, 155.6349

 27.8949, 35.2608,
24.6195


193.7742,
224.7703, 194.1709

 18.3865, 23.8639,
15.5773

236.0442,
272.1316, 238.5946

 11.3292, 15.2327,
9.0745

284.0535,
325.7182, 289.3243

 6.3576, 8.9828,
4.6923

338.1674,

 3.1064, 4.7300,

385.9145, 346.7787

2.0123

398.7513,
453.1050, 411.3763

■ 1.2103, 2.0897,
0.5628

■ 0.1145, 0.6588,
0.0000

■ 74.7802, 89.8903,
71.1668

■ 74.7802, 89.8903,
71.1668

■ 66.4849, 85.9425,
56.0519

■ 84.2758, 94.4046,
88.9398

■ 59.3343, 82.5275,
43.4618

94.7336, 99.3671,
108.7945

■ 53.2787, 79.6253,
33.2605

■ 48.2620, 77.2102,
25.2968

■ 44.2230, 75.2542,
19.4023

■ 41.0932, 73.7264,
15.3848

■ 38.7944, 72.5914,
13.0158

■ 37.2222, 71.8029,
11.9492

■ 37.1317, 71.7574,
11.8935

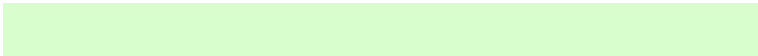
Harmonies

Analogous

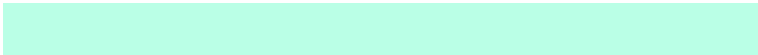
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0390, 89.8903, 61.9127



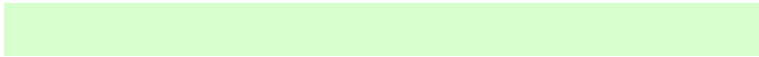
74.7802, 89.8903, 71.1668



71.4683, 89.8903, 88.5093

Triad

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



74.7802, 89.8903, 71.1668



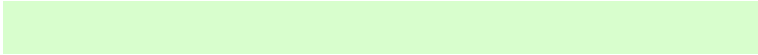
82.1019, 89.8903, 146.7074



100.7906, 89.8903, 85.6059

Complementary

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



74.7802, 89.8903, 71.1668



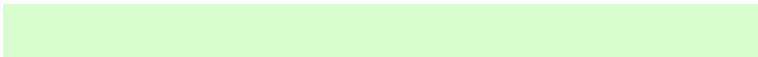
76.6864, 69.8755, 103.2161

Split Complementary

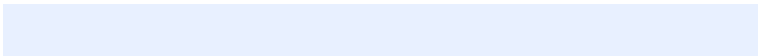
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.1189, 89.8903, 107.8797



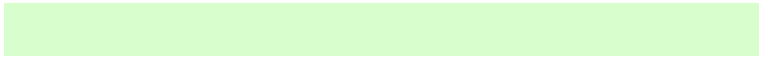
74.7802, 89.8903, 71.1668



89.9934, 89.8903, 145.6084

Square

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



74.7802, 89.8903, 71.1668



75.5169, 89.8903, 133.3522



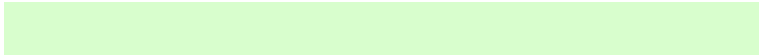
97.0633, 89.8903, 130.5477



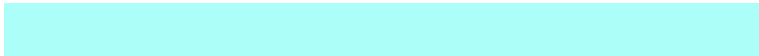
96.1922, 89.8903, 69.3246

Rectangle

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



74.7802, 89.8903, 71.1668



71.2350, 89.8903, 103.3832



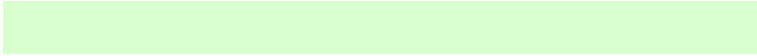
97.0633, 89.8903, 130.5477



101.4136, 89.8903, 92.5665

Sweetspot

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



74.7826, 89.8942, 71.1688



88.4521, 96.8720, 96.2409



83.8172, 89.3247, 70.5827



18.7846, 20.6645, 20.3178



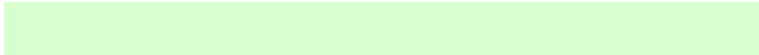
0.0000, 0.0000, 0.0000



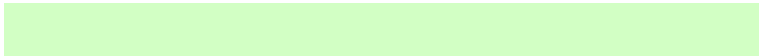
20.3446, 21.4041, 23.3091

Same Dimension

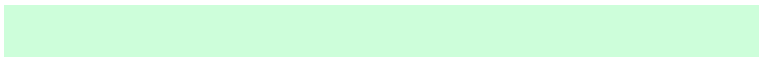
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7826, 89.8942, 71.1688



72.2041, 89.1520, 65.8362



73.2850, 88.9322, 79.6806



18.1529, 20.3647, 19.1184



19.6786, 37.8828, 6.2749



2.0053, 3.7345, 0.6151

Inverse Universe

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



76.6864, 69.8755, 103.2161



74.4304, 65.7061, 103.3674



78.5748, 71.0827, 92.7495



18.3704, 18.0827, 22.7720



21.7025, 10.0986, 50.2399



2.2063, 1.0313, 4.8960

Previews

White Background



This preview shows how the XYZ color 74.7802, 89.8903, 71.1668 looks on a white background.

Color Contrast Check

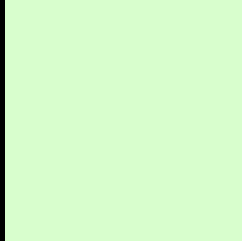
Large Text (above 18pt) WCAG AA × Fail

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 74.7802, 89.8903, 71.1668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

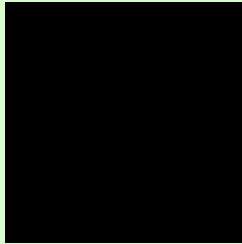
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

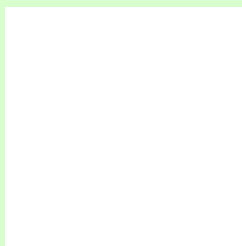
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.7802, 89.8903, 71.1668

Background



This preview shows how black text looks on a background with the XYZ color 74.7802, 89.8903, 71.1668.



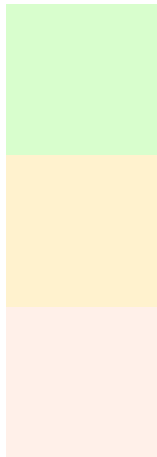
This preview shows how white text looks on a background with the XYZ color 74.7802, 89.8903,

71.1668.

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

74.7802, 89.8903, 71.1668

Protanopia

84.1327, 89.2205, 71.1795

Deuteranopia

87.1081, 89.4634, 89.7679



Tritanopia

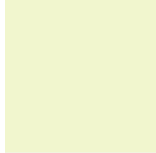
84.3324, 89.4138, 107.4215

Trichromacy



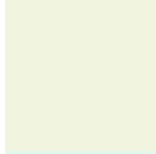
Original Color

74.7802, 89.8903, 71.1668



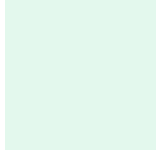
Protanomaly

80.3720, 89.0685, 71.3484



Deuteranomaly

82.2473, 89.3333, 82.7202



Tritanomaly

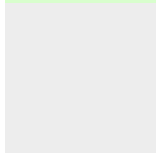
80.5320, 89.5801, 93.1670

Monochromacy



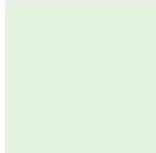
Original Color

74.7802, 89.8903, 71.1668



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

77.9543, 86.1954, 83.7629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7802, 89.8903, 71.1668 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(216, 254, 205)` looks like.

```
.text, #text, p{  
    color:rgb(216, 254, 205)  
}
```

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(216, 254, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 254, 205) }
```

Border

The CSS property to change the border of an element to XYZ 74.7802, 89.8903, 71.1668 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(216, 254, 205) }
```


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

```
.border{ border-color:rgb(216, 254, 205) }
```

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

Here you see how a box with a 4 pixel rgb(216, 254, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 254, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 254, 205);  
box-shadow:4px 4px 4px 4px rgb(216, 254,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7802, 89.8903, 71.1668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 254, 205) }
```

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

```
.background{ background-color: rgb(216,  
254, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor