

Converting Colors

XYZ(72.6797, 89.4954, 61.4209)

Have a look what the booklet for
XYZ(72.6797, 89.4954, 61.4209)
contains.

XYZ(72.6769, 89.4903, 61.5870)	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(72.6769, 89.4903,
61.5870)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFBD
RGB	214, 255, 189
RGB Percent	84%, 100%, 74%
CMY	0.1608, 0.0000, 0.2588
CMYK	0.16, 0.00, 0.26, 0.00
HSL	97°, 100%, 87%
HSV	97°, 26%, 100%
XYZ	72.6769, 89.4903, 61.5870
YIQ	235.2170, -3.2500, -29.2180

Conversions

Conversions Part 2

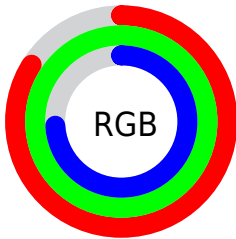
Format	Color
RYB	189, 255, 230
Decimal	14090173
CIELab	95.78, -24.61, 27.33
CIELCh	96, 36.781, 132.006
Yxy	89.4903, 0.3248, 0.3999
Android (android.graphics.Color)	4292280253 (0xFFD6FFBD)
YUV	235.2170, -22.7850, -18.6073
Hunter-Lab	94.5993, -28.4143, 27.6199

Details

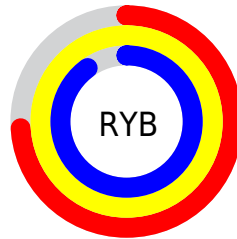
The XYZ color **72.6769, 89.4903, 61.5870** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8817, 60.4394, 102.6433**, and the grayscale version is **79.3004, 83.4302, 90.8554**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **38.8653, 49.5084, 30.4293** is the 20% darker color. If you saturate the color by 10%, you get **65.7468, 86.2099, 48.0617**, and if you desaturate by 10%, it is **80.5443, 93.1976, 77.6990**.

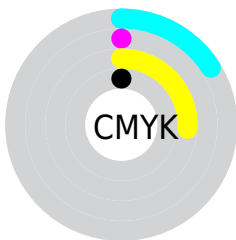
Distribution



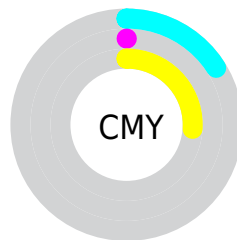
- Red (84%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (90%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6769, 89.4903, 61.5870 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 72.6769, 89.4903, 61.5870 by changing the saturation by 10% instead.

 72.6769, 89.4903,
61.5870

 72.6769, 89.4903,
61.5870


459.0154,
526.3714, 448.3890

 53.9992, 67.5580,
44.2654


 122.0240,
146.6302, 108.6942

 38.8317, 49.5382,
30.5405


153.4242,
182.6066, 139.3169

 26.8090, 35.0466,
19.9937


189.7959,
224.0331, 175.2105

 17.5657, 23.6988,
12.2064

231.5046,
271.2941, 216.7933

 10.7364, 15.1103,
6.7602

278.9155,
324.7740, 264.4841

 5.9559, 8.8969,
3.2364

332.3940,

 2.8587, 4.6740,

384.8573, 318.7012

1.2166

392.3055,
451.9283, 379.8634

■ 1.0795, 2.0573,
0.0000

■ 0.0078, 0.6404,
0.0000

■ 72.6769, 89.4903,
61.5870

■ 72.6769, 89.4903,
61.5870

■ 65.7468, 86.2099,
48.0617

■ 80.5443, 93.1976,
77.6990

■ 59.7144, 83.3390,
36.9844

■ 89.3835, 97.3470,
96.5187

■ 54.5389, 80.8598,
28.2093

95.0500, 100.0000,
108.9000

■ 50.1755, 78.7527,
21.5736

■ 46.5747, 76.9963,
16.8932

■ 43.6800, 75.5661,
13.9528

■ 41.4241, 74.4333,
12.4855

■ 40.6461, 74.0389,
12.1487

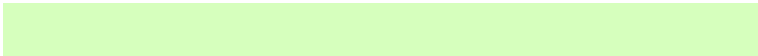
Harmonies

Analogous

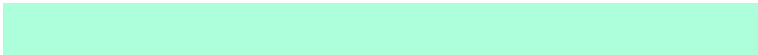
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0699, 89.4903, 52.4256



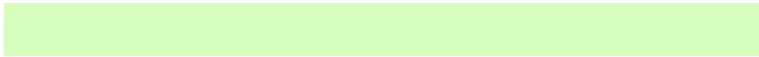
72.6769, 89.4903, 61.5870



67.8441, 89.4903, 81.2025

Triad

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



72.6769, 89.4903, 61.5870



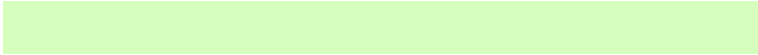
79.1813, 89.4903, 160.7105



105.5687, 89.4903, 86.2898

Complementary

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



72.6769, 89.4903, 61.5870



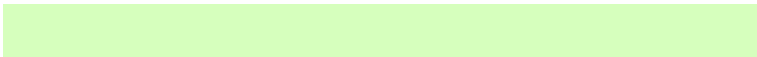
68.8817, 60.4394, 102.6433

Split Complementary

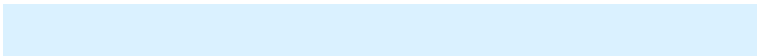
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9617, 89.4903, 115.7088



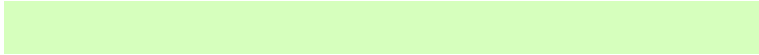
72.6769, 89.4903, 61.5870



89.1745, 89.4903, 162.8251

Square

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



72.6769, 89.4903, 61.5870



71.3891, 89.4903, 139.7433



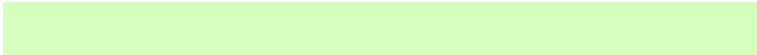
98.7706, 89.4903, 145.0493



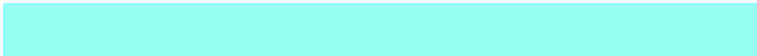
100.3687, 89.4903, 64.6718

Rectangle

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



72.6769, 89.4903, 61.5870



67.0382, 89.4903, 99.4057



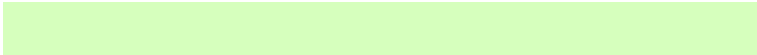
98.7706, 89.4903, 145.0493



106.0478, 89.4903, 95.4998

Sweetspot

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



72.6774, 89.4905, 61.5883



87.4280, 96.4302, 92.2996



78.6392, 81.3615, 59.7051



18.4218, 20.5033, 19.1309



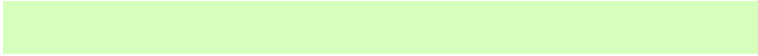
0.0000, 0.0000, 0.0000



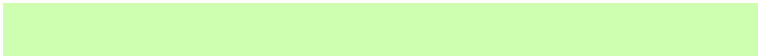
20.3446, 21.4041, 23.3091

Same Dimension

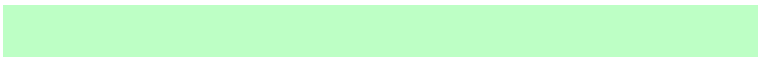
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6774, 89.4905, 61.5883



69.0153, 87.7591, 54.3501



66.7908, 86.3567, 65.7928



18.4218, 20.5033, 19.1309



21.3909, 38.7655, 6.3551



2.1995, 3.8347, 0.6242

Inverse Universe

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



68.8817, 60.4394, 102.6433



64.6348, 54.2678, 101.6759



76.2730, 64.3902, 96.6473



18.0870, 17.9366, 22.7588



17.0130, 7.6810, 50.0205



1.7780, 0.8105, 4.8760

Previews

White Background



This preview shows how the XYZ color 72.6769, 89.4903, 61.5870 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 72.6769, 89.4903, 61.5870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

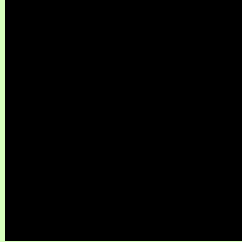
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

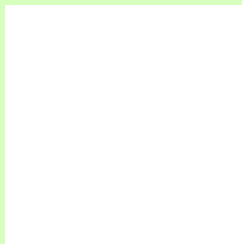
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6769, 89.4903, 61.5870

Background



This preview shows how black text looks on a background with the XYZ color 72.6769, 89.4903, 61.5870.



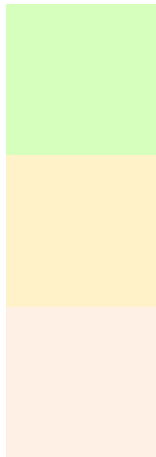
This preview shows how white text looks on a background with the XYZ color 72.6769, 89.4903,

61.5870.

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

72.6769, 89.4903, 61.5870

Protanopia

83.5347, 88.9813, 68.0307

Deuteranopia

86.5429, 89.2373, 86.7920



Tritanopia

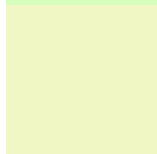
84.0050, 89.2450, 107.4062

Trichromacy



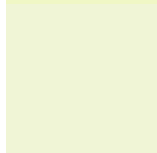
Original Color

72.6769, 89.4903, 61.5870



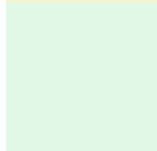
Protanomaly

79.2740, 89.0780, 65.8389



Deuteranomaly

80.7252, 88.6851, 76.4816



Tritanomaly

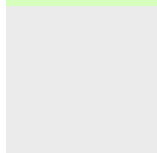
79.3552, 89.0731, 88.6117

Monochromacy



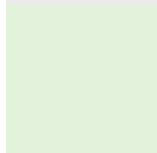
Original Color

72.6769, 89.4903, 61.5870



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 72.6769, 89.4903, 61.5870 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(214, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 72.6769, 89.4903, 61.5870 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(214, 255, 189) }
```


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

```
.border{ border-color:rgb(214, 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(214, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6769, 89.4903, 61.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 189) }
```

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

```
.background{ background-color: rgb(214,  
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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