

Converting Colors

XYZ(72.0155, 89.3502, 52.4809)

Have a look what the booklet for
XYZ(72.0155, 89.3502, 52.4809)
contains.

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Color

**XYZ(72.1198, 89.4040,
52.4853)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DAFFAC |
| RGB | 218, 255, 172 |
| RGB Percent | 85%, 100%, 67% |
| CMY | 0.1451, 0.0000, 0.3255 |
| CMYK | 0.15, 0.00, 0.33, 0.00 |
| HSL | 87°, 100%, 84% |
| HSV | 87°, 33%, 100% |
| XYZ | 72.1198, 89.4040, 52.4853 |
| YIQ | 234.4750, 4.5910, -33.6570 |

Conversions

Conversions Part 2

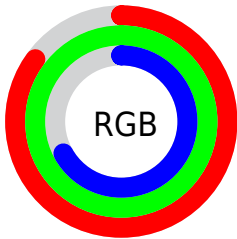
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 172, 255, 209 |
| Decimal | 14352300 |
| CIELab | 95.75, -25.63, 35.86 |
| CIELCh | 96, 44.074, 125.559 |
| Yxy | 89.4040, 0.3370, 0.4178 |
| Android (android.graphics.Color) | 4292542380 (0xFFDAFFAC) |
| YUV | 234.4750, -30.8002, -14.4486 |
| Hunter-Lab | 94.5537, -29.3200, 33.2766 |

Details

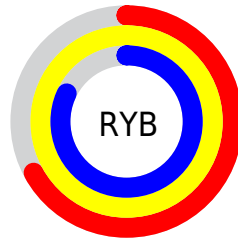
The XYZ color **72.1198, 89.4040, 52.4853** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.0981, 50.2817, 101.1983**, and the grayscale version is **78.7900, 82.8933, 90.2708**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **38.4241, 49.4015, 24.9630** is the 20% darker color. If you saturate the color by 10%, you get **66.6171, 86.8235, 40.6471**, and if you desaturate by 10%, it is **78.3264, 92.2929, 66.8118**.

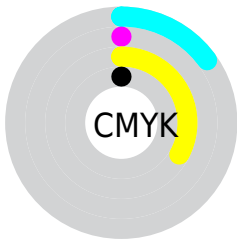
Distribution



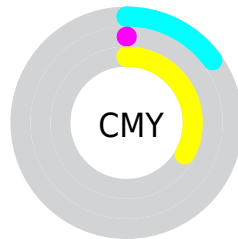
- Red (85%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1198, 89.4040, 52.4853 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 72.1198, 89.4040, 52.4853 by changing the saturation by 10% instead.


 72.1198, 89.4040,
52.4853

 72.1198, 89.4040,
52.4853

457.1096,
526.0902, 413.3174

 53.5424, 67.4864,
37.0071


 121.2367,
146.5102, 95.2804

 38.4651, 49.4800,
24.9172


152.5069,
182.4677, 123.4345

 26.5227, 35.0004,
15.7969


188.7387,
223.8739, 156.6509

 17.3498, 23.6632,
9.2278

230.2975,
271.1133, 195.3482

 10.5811, 15.0840,
4.7912

277.5487,
324.5702, 239.9450

 5.8511, 8.8783,
2.0687

330.8575,

 2.7945, 4.6619,

384.6291, 290.8597

0.5970

390.5894,
451.6743, 348.5110

■ 1.0461, 2.0503,
0.0000

■ 0.0000, 0.6364,
0.0000

■ 72.1198, 89.4040,
52.4853

■ 72.1198, 89.4040,
52.4853

■ 66.6171, 86.8235,
40.6471

■ 78.3264, 92.2929,
66.8118

■ 61.7855, 84.5380,
31.1510

■ 85.2651, 95.5022,
83.7536

■ 57.5910, 82.5330,
23.8417

■ 92.9637, 99.0433,
103.4338

■ 53.9953, 80.7929,
18.5435

95.0500, 100.0000,
108.9000

■ 50.9547, 79.2995,
15.0535

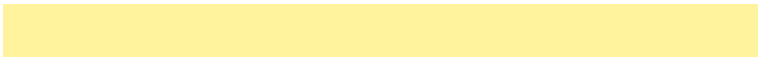
■ 48.4174, 78.0315,
13.1259

■ 46.7995, 77.2111,
12.4366

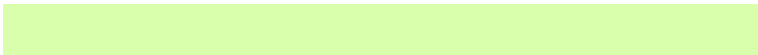
Harmonies

Analogous

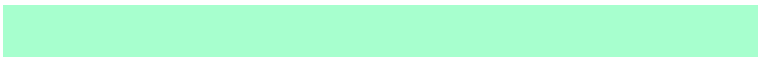
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7363, 89.4040, 44.8449



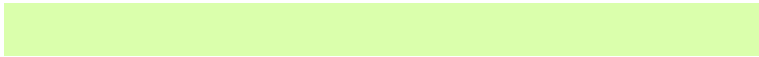
72.1198, 89.4040, 52.4853



65.4599, 89.4040, 72.2384

Triad

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



72.1198, 89.4040, 52.4853



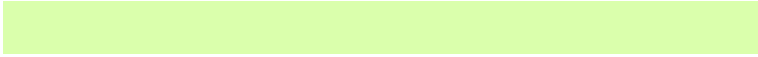
75.6851, 89.4040, 171.7083



110.3708, 89.4040, 91.0170

Complementary

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



72.1198, 89.4040, 52.4853



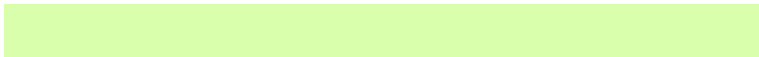
59.0981, 50.2817, 101.1983

Split Complementary

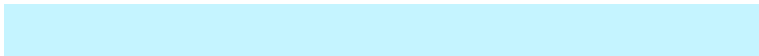
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.0297, 89.4040, 127.6856



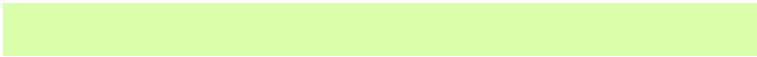
72.1198, 89.4040, 52.4853



87.2554, 89.4040, 180.1233

Square

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



72.1198, 89.4040, 52.4853



67.3770, 89.4040, 141.5922



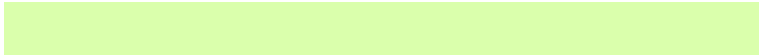
99.2755, 89.4040, 162.4336



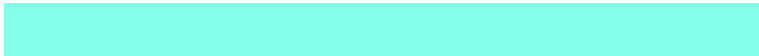
105.3998, 89.4040, 63.4354

Rectangle

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



72.1198, 89.4040, 52.4853



63.7767, 89.4040, 92.2637



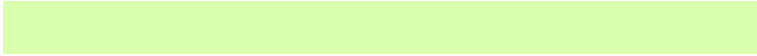
99.2755, 89.4040, 162.4336



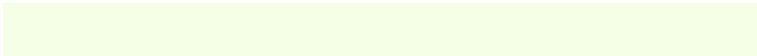
110.4180, 89.4040, 102.6111

Sweetspot

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



72.1202, 89.4041, 52.4866



87.1535, 96.3725, 88.5036



71.2347, 69.3349, 48.6595



18.4302, 20.5244, 18.3779



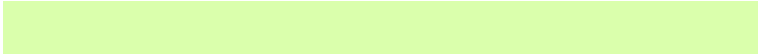
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

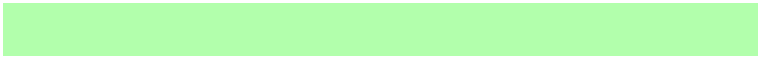
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1202, 89.4041, 52.4866



68.4910, 87.7047, 44.5719



61.4604, 83.9088, 51.9877



18.7343, 20.6644, 19.1456



24.6283, 40.4344, 6.5066



2.5237, 4.0018, 0.6394

Inverse Universe

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



59.0981, 50.2817, 101.1983



53.6516, 43.1096, 100.1010



72.0366, 56.9517, 101.8038



17.7717, 17.7741, 22.7440



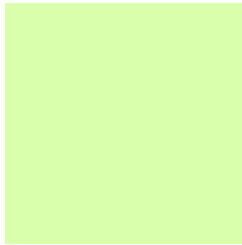
13.2013, 5.7160, 49.8421



1.4087, 0.6202, 4.8587

Previews

White Background



This preview shows how the XYZ color 72.1198, 89.4040, 52.4853 looks on a white background.

Color Contrast Check

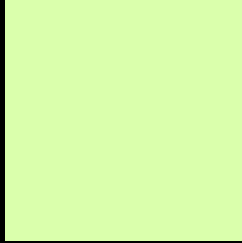
Large Text (above 18pt) WCAG AA × Fail

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 72.1198, 89.4040, 52.4853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

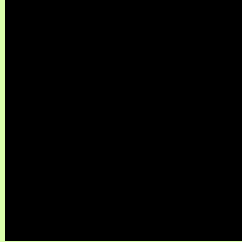
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

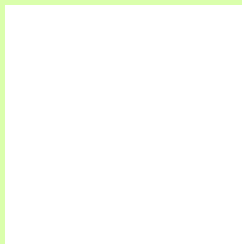
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1198, 89.4040, 52.4853

Background



This preview shows how black text looks on a background with the XYZ color 72.1198, 89.4040, 52.4853.

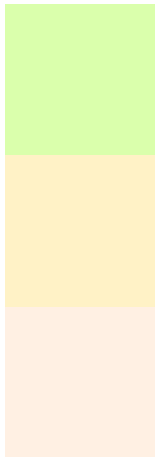


This preview shows how white text looks on a background with the XYZ color 72.1198, 89.4040,

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

72.1198, 89.4040, 52.4853

Protanopia

83.1852, 88.8415, 66.1899

Deuteranopia

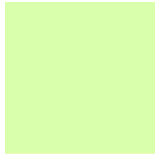
86.2652, 89.1262, 85.3295



Tritanopia

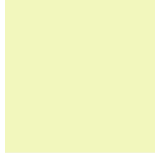
84.6927, 89.1541, 107.3524

Trichromacy



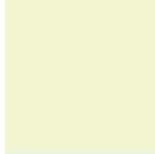
Original Color

72.1198, 89.4040, 52.4853



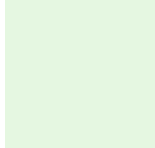
Protanomaly

79.0640, 89.0729, 61.1698



Deuteranomaly

80.5328, 88.6871, 71.9053



Tritanomaly

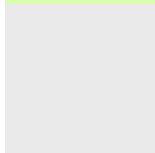
79.1645, 88.6158, 84.1663

Monochromacy



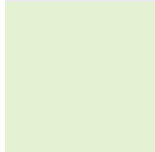
Original Color

72.1198, 89.4040, 52.4853



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5049, 84.7014, 73.9975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1198, 89.4040, 52.4853 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(218, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 172)  
}
```

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(218, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 72.1198, 89.4040, 52.4853 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(218, 255, 172) }
```


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

```
.border{ border-color:rgb(218, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1198, 89.4040, 52.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 172) }
```

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

```
.background{ background-color: rgb(218,  
255, 172) }
```

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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