

Converting Colors

XYZ(72.7689, 89.4086, 67.4233)

Have a look what the booklet for
XYZ(72.7689, 89.4086, 67.4233)
contains.

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Color

**XYZ(72.6471, 89.3452,
67.4493)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FFC7
RGB	210, 255, 199
RGB Percent	82%, 100%, 78%
CMY	0.1765, 0.0000, 0.2196
CMYK	0.18, 0.00, 0.22, 0.00
HSL	108°, 100%, 89%
HSV	108°, 22%, 100%
XYZ	72.6471, 89.3452, 67.4493
YIQ	235.1610, -8.8440, -26.9560

Conversions

Conversions Part 2

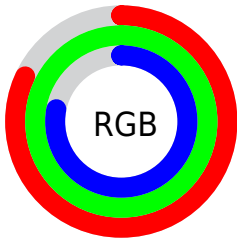
Format	Color
R _{YB}	199, 255, 244
Decimal	13828039
CIE _{Lab}	95.72, -24.42, 22.14
CIE _{LCh}	96, 32.958, 137.803
Yxy	89.3452, 0.3166, 0.3894
Android (android.graphics.Color)	4292018119 (0xFFD2FFC7)
YUV	235.1610, -17.8274, -22.0662
Hunter-Lab	94.5226, -28.2250, 23.8577

Details

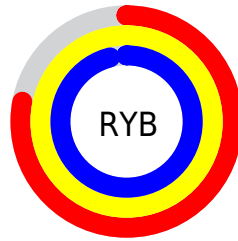
The XYZ color **72.6471, 89.3452, 67.4493** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.7827, 67.3012, 103.6040**, and the grayscale version is **79.2240, 83.3499, 90.7680**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8225, 49.4011, 34.2773** is the 20% darker color. If you saturate the color by 10%, you get **64.4644, 85.4407, 52.8845**, and if you desaturate by 10%, it is **82.0741, 93.8337, 84.6646**.

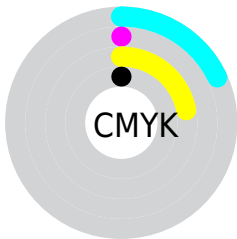
Distribution



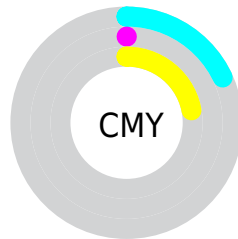
- Red (82%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6471, 89.3452, 67.4493 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 72.6471, 89.3452, 67.4493 by changing the saturation by 10% instead.


 72.6471, 89.3452,
67.4493

 72.6471, 89.3452,
67.4493


458.9136,
525.8985, 470.0874

 53.9748, 67.4377,
48.9860


121.9819,
146.4285, 117.2107

 38.8121, 49.4404,
34.2428


153.3752,
182.3731, 149.3459

 26.7937, 34.9690,
22.8013


189.7394,
223.7655, 186.8754

 17.5541, 23.6390,
14.2430

231.4401,
270.9901, 230.2179

 10.7281, 15.0660,
8.1492

278.8424,
324.4313, 279.7917

 5.9502, 8.8657,
4.1014

332.3119,

 2.8552, 4.6537,

384.4735, 336.0156

1.6811

392.2138,
451.5011, 399.3079

■ 1.0777, 2.0456,
0.3478

■ 0.0063, 0.6337,
0.0000

■ 72.6471, 89.3452,
67.4493

■ 72.6471, 89.3452,
67.4493

■ 64.4644, 85.4407,
52.8845

■ 82.0741, 93.8337,
84.6646

■ 57.4715, 82.0952,
40.8348

■ 92.7935, 98.9285,
104.6487

■ 51.6122, 79.2827,
31.1588

■ 95.0500, 100.0000,
108.9000

■ 46.8251, 76.9750,
23.6995

■ 43.0424, 75.1410,
18.2812

■ 40.1885, 73.7460,
14.7013

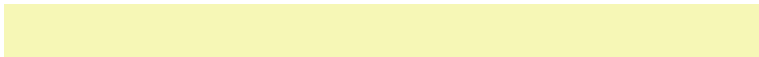
■ 38.1755, 72.7501,
12.7156

■ 37.0796, 72.2003,
11.9818

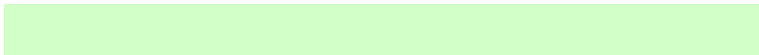
Harmonies

Analogous

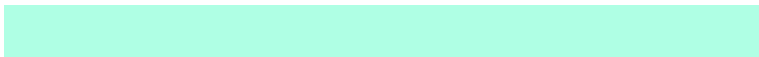
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7000, 89.3452, 57.0639



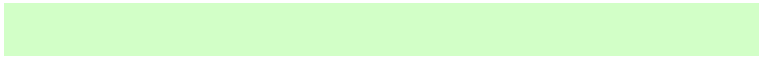
72.6471, 89.3452, 67.4493



68.9929, 89.3452, 87.1089

Triad

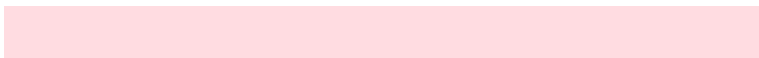
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6471, 89.3452, 67.4493



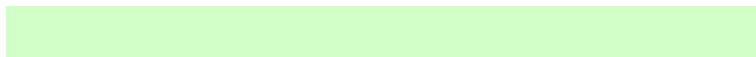
81.2893, 89.3452, 154.7045



102.6254, 89.3452, 82.7997

Complementary

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



72.6471, 89.3452, 67.4493



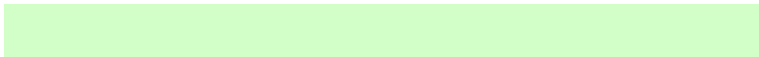
75.7827, 67.3012, 103.6040

Split Complementary

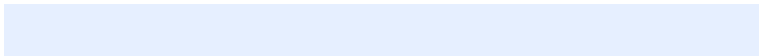
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.1269, 89.3452, 108.2172



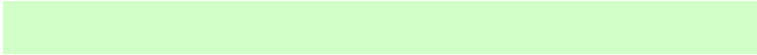
72.6471, 89.3452, 67.4493



90.3630, 89.3452, 152.9888

Square

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



72.6471, 89.3452, 67.4493



73.7391, 89.3452, 139.1611



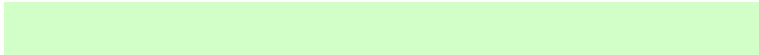
98.5025, 89.3452, 134.8229



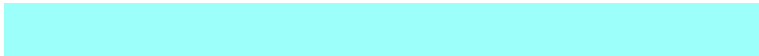
97.1774, 89.3452, 64.7802

Rectangle

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



72.6471, 89.3452, 67.4493



68.7910, 89.3452, 104.2197



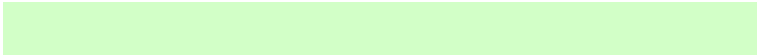
98.5025, 89.3452, 134.8229



103.3914, 89.3452, 90.6588

Sweetspot

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



72.6476, 89.3454, 67.4506



87.2263, 96.2835, 94.2230



83.8397, 89.9650, 66.9803



18.5321, 20.5431, 19.9107



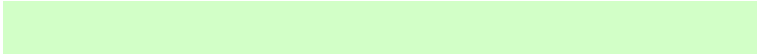
0.0000, 0.0000, 0.0000



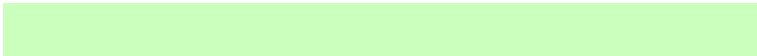
20.3446, 21.4041, 23.3091

Same Dimension

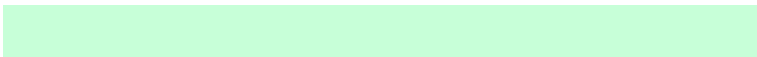
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6476, 89.3454, 67.4506



69.1947, 87.6989, 61.2542



71.6828, 88.6100, 78.1567



18.1046, 20.3398, 19.1161



19.4687, 37.7746, 6.2651



1.9783, 3.7206, 0.6139

Inverse Universe

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



75.7827, 67.3012, 103.6040



72.7935, 62.3596, 102.8077



77.1261, 68.2927, 90.1604



18.4225, 18.1096, 22.7745



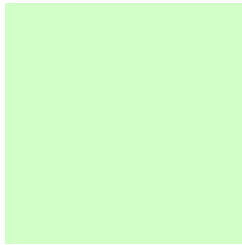
22.6983, 10.6119, 50.2866



2.2951, 1.0771, 4.9002

Previews

White Background



This preview shows how the XYZ color 72.6471, 89.3452, 67.4493 looks on a white background.

Color Contrast Check

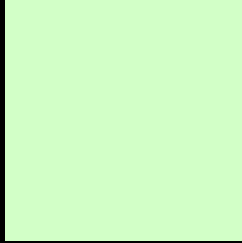
Large Text (above 18pt) WCAG AA × Fail

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 72.6471, 89.3452, 67.4493 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

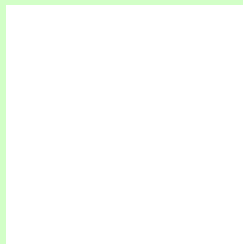
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6471, 89.3452, 67.4493

Background



This preview shows how black text looks on a background with the XYZ color 72.6471, 89.3452, 67.4493.



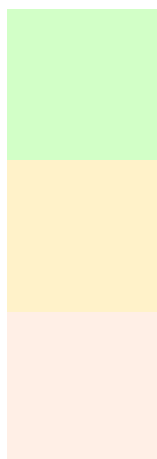
This preview shows how white text looks on a background with the XYZ color 72.6471, 89.3452,

67.4493.

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

72.6471, 89.3452, 67.4493

Protanopia

83.5347, 88.9813, 68.0307

Deuteranopia

86.3894, 88.7062, 87.4317



Tritanopia

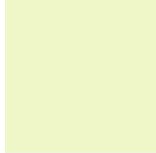
83.3557, 88.9103, 107.3758

Trichromacy



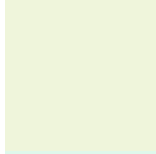
Original Color

72.6471, 89.3452, 67.4493



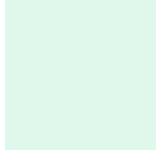
Protanomaly

79.2827, 89.0424, 67.6518



Deuteranomaly

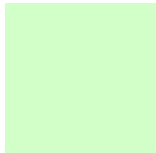
81.0352, 88.7700, 79.8811



Tritanomaly

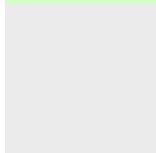
78.9942, 88.8209, 91.5780

Monochromacy



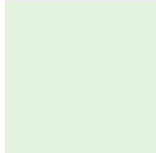
Original Color

72.6471, 89.3452, 67.4493



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3010, 84.9469, 81.4821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6471, 89.3452, 67.4493 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(210, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 199)  
}
```

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(210, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 72.6471, 89.3452, 67.4493 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(210, 255, 199) }
```


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

```
.border{ border-color:rgb(210, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6471, 89.3452, 67.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 199) }
```

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

```
.background{ background-color: rgb(210,  
255, 199) }
```

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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