

Converting Colors

XYZ(72.3905, 89.1868, 68.6124)

Have a look what the booklet for
XYZ(72.3905, 89.1868, 68.6124)
contains.

XYZ(72.3150, 89.1469, 68.6540)	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(72.3150, 89.1469,
68.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FFC9
RGB	208, 255, 201
RGB Percent	82%, 100%, 79%
CMY	0.1843, 0.0000, 0.2118
CMYK	0.18, 0.00, 0.21, 0.00
HSL	112°, 100%, 89%
HSV	112°, 21%, 100%
XYZ	72.3150, 89.1469, 68.6540
YIQ	234.7910, -10.6780, -26.7580

Conversions

Conversions Part 2

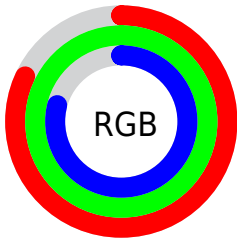
Format	Color
R_{YB}	201, 255, 248
Decimal	13696969
CIE Lab	95.64, -24.76, 20.99
CIE LCh	96, 32.455, 139.714
Yxy	89.1469, 0.3143, 0.3874
Android (android.graphics.Color)	4291887049 (0xFFD0FFC9)
YUV	234.7910, -16.6590, -23.4957
Hunter-Lab	94.4176, -28.5167, 22.9807

Details

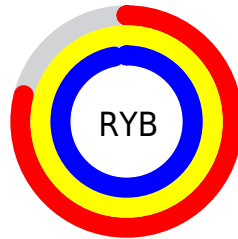
The XYZ color **72.3150, 89.1469, 68.6540** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.6489, 68.9509, 103.8241**, and the grayscale version is **78.9347, 83.0454, 90.4365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5974, 49.2671, 35.0790** is the 20% darker color. If you saturate the color by 10%, you get **63.7500, 85.0498, 53.8728**, and if you desaturate by 10%, it is **82.2525, 93.8940, 86.1015**.

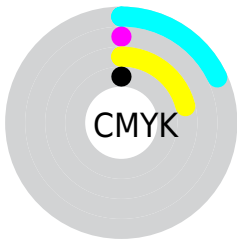
Distribution



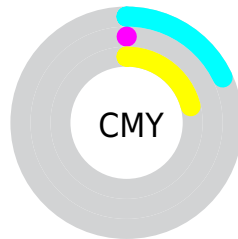
- Red (82%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (97%)



- Cyan (18%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3150, 89.1469, 68.6540 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 72.3150, 89.1469, 68.6540 by changing the saturation by 10% instead.


 72.3150, 89.1469,
68.6540

 72.3150, 89.1469,
68.6540


457.7779,
525.2518, 474.4705

 53.7024, 67.2733,
49.9600


121.5127,
146.1528, 118.9503

 38.5935, 49.3068,
35.0106


152.8284,
182.0540, 151.3896

 26.6230, 34.8629,
23.3874


189.1093,
223.3997, 189.2478

 17.4254, 23.5573,
14.6719

230.7207,
270.5745, 232.9434

 10.6354, 15.0055,
8.4454

278.0279,
323.9627, 282.8950

 5.8877, 8.8233,
4.2894

331.3962,

 2.8169, 4.6261,

383.9487, 339.5210

1.7854

391.1911,
450.9170, 403.2400

■ 1.0577, 2.0296,
0.4183

■ 0.0000, 0.6246,
0.0000

■ 72.3150, 89.1469,
68.6540

■ 72.3150, 89.1469,
68.6540

■ 63.7500, 85.0498,
53.8728

■ 82.2525, 93.8940,
86.1015

■ 56.4950, 81.5733,
41.6227

■ 93.6176, 99.3169,
106.3332

■ 50.4854, 78.6873,
31.7630

■ 95.0500, 100.0000,
108.9000

■ 45.6505, 76.3586,
24.1376

■ 41.9120, 74.5506,
18.5717

■ 39.1821, 73.2225,
14.8648

■ 37.3589, 72.3270,
12.7762

■ 36.3889, 71.8442,
11.9494

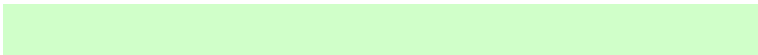
Harmonies

Analogous

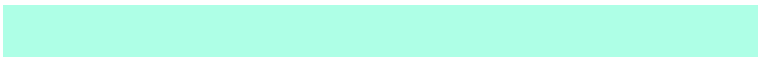
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0790, 89.1469, 57.7934



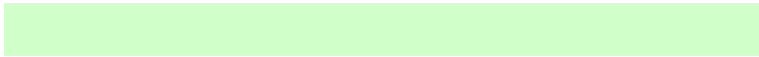
72.3150, 89.1469, 68.6540



68.9578, 89.1469, 88.5601

Triad

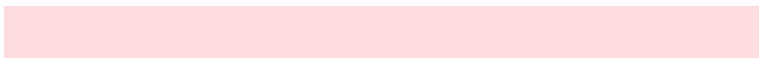
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3150, 89.1469, 68.6540



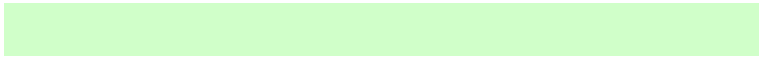
81.7070, 89.1469, 153.8329



101.9168, 89.1469, 81.4277

Complementary

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



72.3150, 89.1469, 68.6540



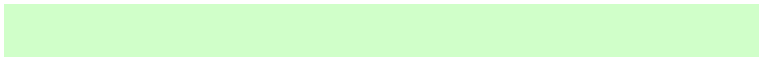
77.6489, 68.9509, 103.8241

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.



102.7438, 89.1469, 106.0995



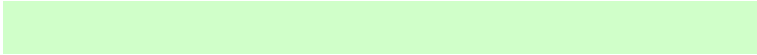
72.3150, 89.1469, 68.6540



90.6471, 89.1469, 151.0112

Square

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



72.3150, 89.1469, 68.6540



74.1226, 89.1469, 139.5433



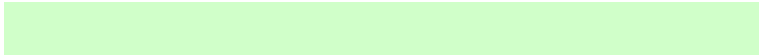
98.4935, 89.1469, 132.4000



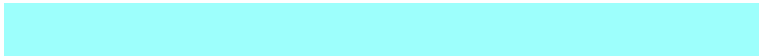
96.3071, 89.1469, 64.2229

Rectangle

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



72.3150, 89.1469, 68.6540



68.9319, 89.1469, 105.5882



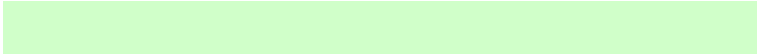
98.4935, 89.1469, 132.4000



102.7776, 89.1469, 89.0148

Sweetspot

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



72.3156, 89.1472, 68.6554



87.9529, 96.6147, 96.2175



85.2889, 92.4892, 68.6167



18.6670, 20.6039, 20.3123



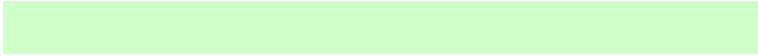
0.0000, 0.0000, 0.0000



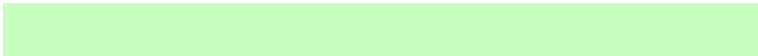
20.3446, 21.4041, 23.3091

Same Dimension

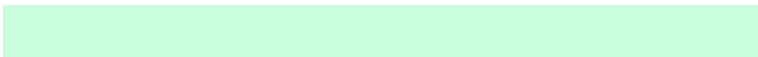
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3156, 89.1472, 68.6554



68.8811, 87.5050, 62.6943



72.8727, 89.1477, 81.6344



17.9904, 20.2809, 19.1108



19.0811, 37.5747, 6.2470



1.9228, 3.6920, 0.6113

Inverse Universe

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



77.6489, 68.9509, 103.8241



75.0005, 64.3171, 103.0692



77.1516, 69.0441, 88.0100



18.5474, 18.1739, 22.7803



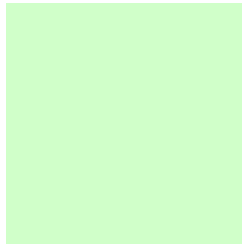
25.2542, 11.9295, 50.4062



2.5207, 1.1934, 4.9108

Previews

White Background



This preview shows how the XYZ color 72.3150, 89.1469, 68.6540 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 72.3150, 89.1469, 68.6540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

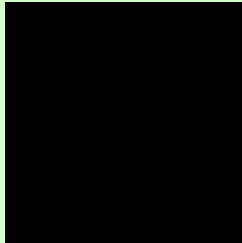
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

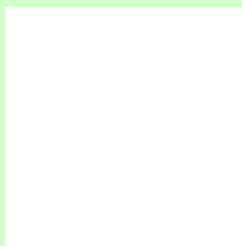
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3150, 89.1469, 68.6540

Background



This preview shows how black text looks on a background with the XYZ color 72.3150, 89.1469, 68.6540.



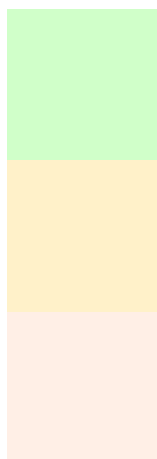
This preview shows how white text looks on a background with the XYZ color 72.3150, 89.1469,

68.6540.

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

72.3150, 89.1469, 68.6540

Protanopia

83.2379, 88.3876, 67.9318

Deuteranopia

86.3894, 88.7062, 87.4317



Tritanopia

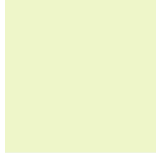
83.0338, 88.7444, 107.3608

Trichromacy



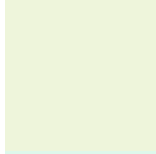
Original Color

72.3150, 89.1469, 68.6540



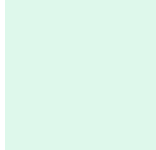
Protanomaly

78.7583, 88.3057, 68.1520



Deuteranomaly

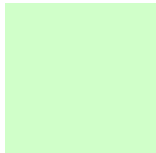
80.6985, 88.5964, 79.8654



Tritanomaly

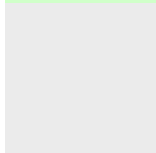
78.6870, 88.6626, 91.5636

Monochromacy



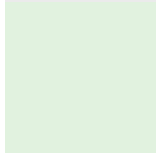
Original Color

72.3150, 89.1469, 68.6540



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1228, 84.8395, 82.1756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3150, 89.1469, 68.6540 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(208, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 201)  
}
```

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(208, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 72.3150, 89.1469, 68.6540 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(208, 255, 201) }
```


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

```
.border{ border-color:rgb(208, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3150, 89.1469, 68.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 201) }
```

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

```
.background{ background-color: rgb(208,  
255, 201) }
```

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