

Converting Colors

XYZ(83.0122, 110.3352,
69.5503)

Have a look what the booklet for
XYZ(83.0122, 110.3352, 69.5503)
contains.

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Color

**XYZ(72.4164, 89.2529,
66.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FFC5
RGB	210, 255, 197
RGB Percent	82%, 100%, 77%
CMY	0.1765, 0.0000, 0.2274
CMYK	0.18, 0.00, 0.23, 0.00
HSL	107°, 100%, 89%
HSV	107°, 23%, 100%
XYZ	72.4164, 89.2529, 66.2341
YIQ	234.9330, -8.2020, -27.5780

Conversions

Conversions Part 2

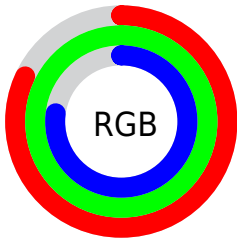
Format	Color
RYB	197, 255, 242
Decimal	13828037
CIELab	95.69, -24.73, 23.10
CIELCh	96, 33.845, 136.956
Yxy	89.2529, 0.3178, 0.3916
Android (android.graphics.Color)	4292018117 (0xFFD2FFC5)
YUV	234.9330, -18.7010, -21.8662
Hunter-Lab	94.4738, -28.5045, 24.5643

Details

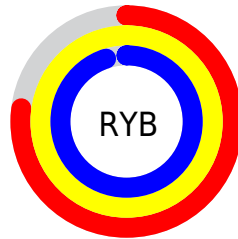
The XYZ color **72.4164, 89.2529, 66.2341** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.6351, 66.0310, 103.4193**, and the grayscale version is **79.0565, 83.1736, 90.5760**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.6696, 49.3399, 33.4721** is the 20% darker color. If you saturate the color by 10%, you get **64.4479, 85.4545, 51.8771**, and if you desaturate by 10%, it is **81.5767, 93.6085, 83.2294**.

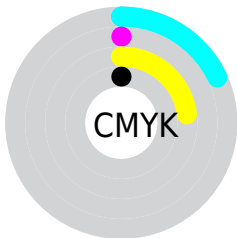
Distribution



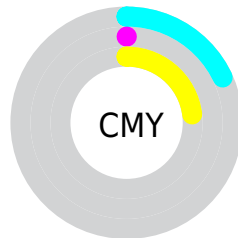
- Red (82%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (95%)



- Cyan (18%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4164, 89.2529, 66.2341 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 72.4164, 89.2529, 66.2341 by changing the saturation by 10% instead.

72.4164, 89.2529,
66.2341

72.4164, 89.2529,
66.2341

458.1248,
525.5976, 465.6407

53.7856, 67.3612,
48.0048

121.6560,
146.3002, 115.4525

38.6602, 49.3782,
33.4707

152.9954,
182.2246, 147.2786

26.6751, 34.9196,
22.2132

189.3018,
223.5953, 184.4741

17.4647, 23.6009,
13.8138

230.9404,
270.7967, 227.4575

10.6637, 15.0379,
7.8540

278.2767,
324.2132, 276.6473

5.9068, 8.8460,
3.9152

331.6759,

2.8286, 4.6408,

384.2293, 332.4620

1.5790

391.5035,
451.2293, 395.3203

■ 1.0638, 2.0381,
0.2757

■ 0.0000, 0.6295,
0.0000

■ 72.4164, 89.2529,
66.2341

■ 72.4164, 89.2529,
66.2341

■ 64.4479, 85.4545,
51.8771

■ 81.5767, 93.6085,
83.2294

■ 57.6195, 82.1896,
40.0223

■ 91.9743, 98.5422,
102.9817

■ 51.8778, 79.4339,
30.5275

■ 95.0500, 100.0000,
108.9000

■ 47.1644, 77.1605,
23.2347

■ 43.4151, 75.3405,
17.9663

■ 40.5579, 73.9409,
14.5175

■ 38.5093, 72.9242,
12.6402

■ 37.4560, 72.3943,
11.9994

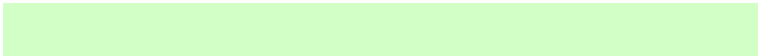
Harmonies

Analogous

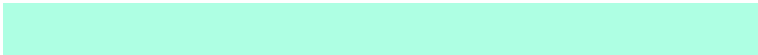
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7203, 89.2529, 55.9457



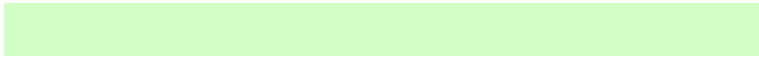
72.4164, 89.2529, 66.2341



68.5683, 89.2529, 86.0691

Triad

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



72.4164, 89.2529, 66.2341



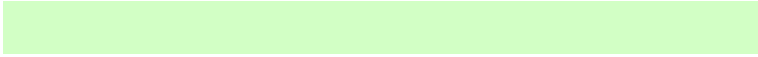
80.8578, 89.2529, 156.1360



103.1231, 89.2529, 82.9899

Complementary

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



72.4164, 89.2529, 66.2341



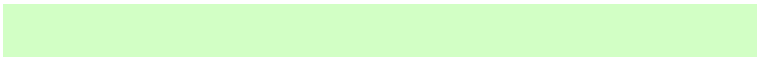
74.6351, 66.0310, 103.4193

Split Complementary

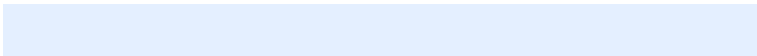
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.4837, 89.2529, 109.2109



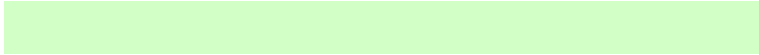
72.4164, 89.2529, 66.2341



90.1581, 89.2529, 154.8971

Square

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



72.4164, 89.2529, 66.2341



73.1965, 89.2529, 139.6467



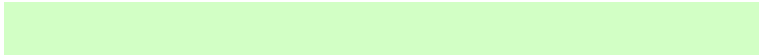
98.5917, 89.2529, 136.5200



97.6399, 89.2529, 64.3365

Rectangle

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



72.4164, 89.2529, 66.2341



68.2824, 89.2529, 103.5204



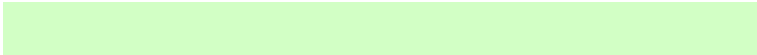
98.5917, 89.2529, 136.5200



103.8608, 89.2529, 91.1063

Sweetspot

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



72.4169, 89.2531, 66.2355



87.3951, 96.3705, 94.2309



82.9121, 88.4789, 65.5328



18.5711, 20.5632, 19.9125



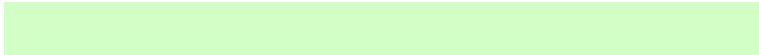
0.0000, 0.0000, 0.0000



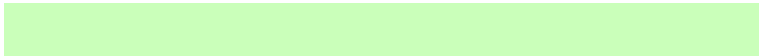
20.3446, 21.4041, 23.3091

Same Dimension

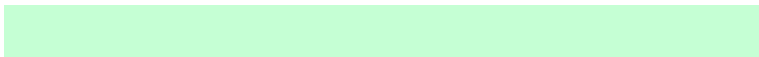
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4169, 89.2531, 66.2355



68.8828, 87.5698, 59.8102



70.7294, 88.1678, 75.8878



18.1523, 20.3644, 19.1183



19.6759, 37.8814, 6.2748



2.0049, 3.7343, 0.6151

Inverse Universe

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



74.6351, 66.0310, 103.4193



71.4295, 60.8509, 102.5884



76.8658, 67.4571, 91.0448



18.3710, 18.0830, 22.7721



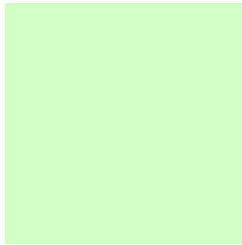
21.7142, 10.1045, 50.2405



2.2073, 1.0318, 4.8961

Previews

White Background



This preview shows how the XYZ color 72.4164, 89.2529, 66.2341 looks on a white background.

Color Contrast Check

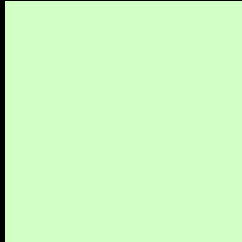
Large Text (above 18pt) WCAG AA × Fail

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 72.4164, 89.2529, 66.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

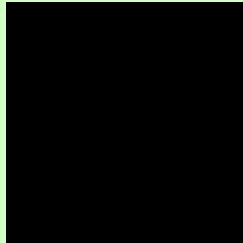
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

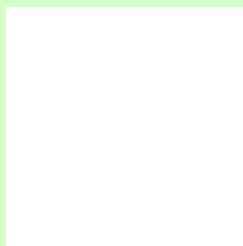
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.4164, 89.2529, 66.2341

Background



This preview shows how black text looks on a background with the XYZ color 72.4164, 89.2529, 66.2341.

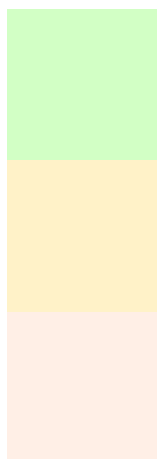


This preview shows how white text looks on a background with the XYZ color 72.4164, 89.2529,

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

72.4164, 89.2529, 66.2341

Protanopia

83.4175, 88.9344, 67.4131

Deuteranopia

86.3894, 88.7062, 87.4317



Tritanopia

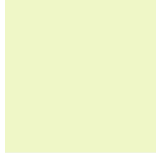
83.3557, 88.9103, 107.3758

Trichromacy



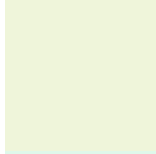
Original Color

72.4164, 89.2529, 66.2341



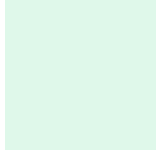
Protanomaly

79.1662, 88.9958, 67.0382



Deuteranomaly

80.9039, 88.7175, 79.1898



Tritanomaly

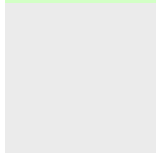
78.8501, 88.7633, 90.8191

Monochromacy



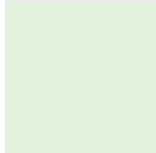
Original Color

72.4164, 89.2529, 66.2341



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1673, 84.8935, 80.7782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4164, 89.2529, 66.2341 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 72.4164, 89.2529, 66.2341 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, 197) }
```


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

```
.border{ border-color:rgb(210, 255, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4164, 89.2529, 66.2341 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, 197) }
```

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

```
.background{ background-color: rgb(210,  
255, 197) }
```

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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