

Converting Colors

XYZ(72.6228, 89.2644, 70.5295)

Have a look what the booklet for
XYZ(72.6228, 89.2644, 70.5295)
contains.

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Color

**XYZ(72.6715, 89.2895,
70.5311)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FFCC
RGB	208, 255, 204
RGB Percent	82%, 100%, 80%
CMY	0.1843, 0.0000, 0.2000
CMYK	0.18, 0.00, 0.20, 0.00
HSL	115°, 100%, 90%
HSV	115°, 20%, 100%
XYZ	72.6715, 89.2895, 70.5311
YIQ	235.1330, -11.6410, -25.8250

Conversions

Conversions Part 2

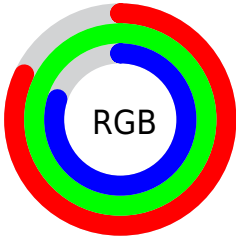
Format	Color
RYB	204, 255, 251
Decimal	13696972
CIELab	95.70, -24.27, 19.54
CIElCh	96, 31.154, 141.158
Yxy	89.2895, 0.3126, 0.3841
Android (android.graphics.Color)	4291887052 (0xFFD0FFCC)
YUV	235.1330, -15.3486, -23.7956
Hunter-Lab	94.4931, -28.0846, 21.8902

Details

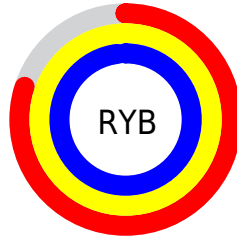
The XYZ color **72.6715, 89.2895, 70.5311** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.4273, 70.9161, 104.1096**, and the grayscale version is **79.1860, 83.3099, 90.7245**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8360, 49.3625, 36.3352** is the 20% darker color. If you saturate the color by 10%, you get **63.7338, 85.0069, 55.4331**, and if you desaturate by 10%, it is **83.0902, 94.2778, 88.3149**.

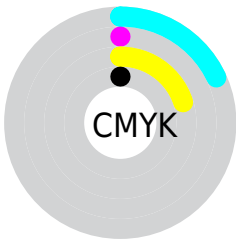
Distribution



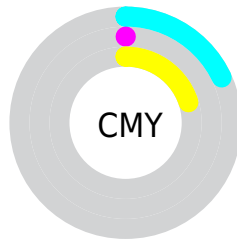
- Red (82%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6715, 89.2895, 70.5311 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 72.6715, 89.2895, 70.5311 by changing the saturation by 10% instead.


 72.6715, 89.2895,
70.5311

 72.6715, 89.2895,
70.5311


458.9969,
525.7169, 481.2520

 53.9948, 67.3915,
51.4802


122.0164,
146.3511, 121.6540

 38.8282, 49.4029,
36.2115


153.4153,
182.2835, 154.5631

 26.8062, 34.9392,
24.3066

189.7857,
223.6628, 192.9286

 17.5636, 23.6160,
15.3469

231.4929,
270.8734, 237.1692

 10.7349, 15.0490,
8.9139

278.9023,
324.2997, 287.7032

 5.9548, 8.8538,
4.5890

332.3792,

 2.8580, 4.6459,

384.3262, 344.9494

1.9537

392.2889,
451.3371, 409.3261

■ 1.0791, 2.0411,
0.5266

■ 0.0076, 0.6312,
0.0000

■ 72.6715, 89.2895,
70.5311

■ 72.6715, 89.2895,
70.5311

■ 63.7338, 85.0069,
55.4331

■ 83.0902, 94.2778,
88.3149

■ 56.2080, 81.3971,
42.8866

95.0500, 100.0000,
108.9000

■ 50.0224, 78.4262,
32.7520

■ 45.0978, 76.0568,
24.8744

■ 41.3473, 74.2476,
19.0814

■ 38.6723, 72.9523,
15.1752

■ 36.9583, 72.1168,
12.9204

■ 36.0485, 71.6687,
11.9336

■ 36.0484, 71.6687,
11.9335

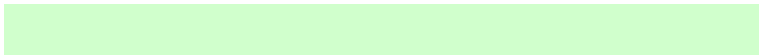
Harmonies

Analogous

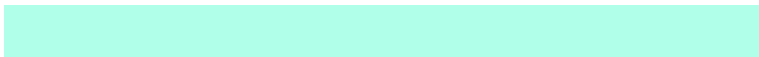
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0586, 89.2895, 59.5250



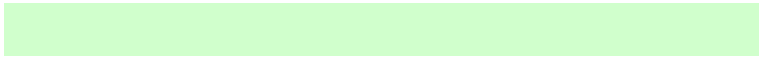
72.6715, 89.2895, 70.5311



69.6073, 89.2895, 90.1477

Triad

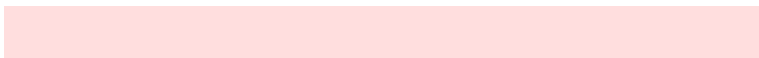
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6715, 89.2895, 70.5311



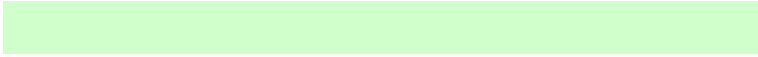
82.3598, 89.2895, 151.6898



101.1763, 89.2895, 81.1667

Complementary

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



72.6715, 89.2895, 70.5311



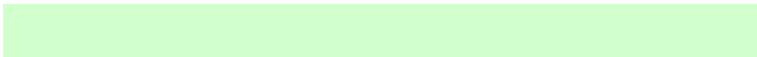
79.4273, 70.9161, 104.1096

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.



102.2083, 89.2895, 104.6551



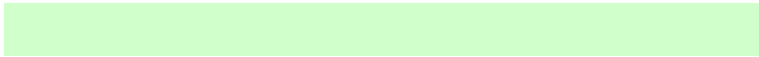
72.6715, 89.2895, 70.5311



90.9531, 89.2895, 148.1928

Square

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



72.6715, 89.2895, 70.5311



74.9484, 89.2895, 138.7934



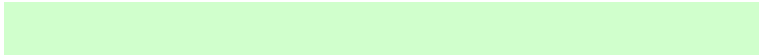
98.3558, 89.2895, 129.9153



95.6241, 89.2895, 64.9088

Rectangle

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



72.6715, 89.2895, 70.5311



69.7086, 89.2895, 106.6399



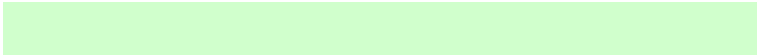
98.3558, 89.2895, 129.9153



102.0774, 89.2895, 88.3738

Sweetspot

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



72.6721, 89.2898, 70.5325



87.6851, 96.4766, 96.2050



86.5585, 94.4581, 70.7982



18.6039, 20.5714, 20.3094



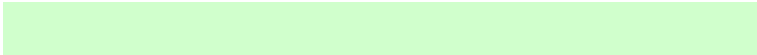
0.0000, 0.0000, 0.0000



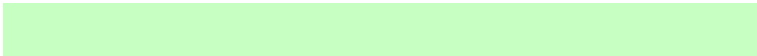
20.3446, 21.4041, 23.3091

Same Dimension

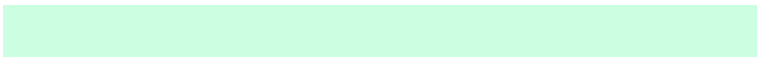
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6721, 89.2898, 70.5325



68.9222, 87.4934, 64.1766



74.2873, 89.8076, 84.8332



17.9035, 20.2362, 19.1067



18.8823, 37.4723, 6.2377



1.8819, 3.6709, 0.6094

Inverse Universe

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



79.4273, 70.9161, 104.1096



76.7936, 66.0757, 103.3142



77.6489, 70.3729, 87.1452



18.6438, 18.2236, 22.7848



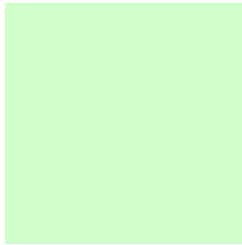
27.3931, 13.0321, 50.5063



2.7072, 1.2895, 4.9195

Previews

White Background



This preview shows how the XYZ color 72.6715, 89.2895, 70.5311 looks on a white background.

Color Contrast Check

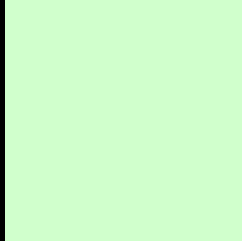
Large Text (above 18pt) WCAG AA × Fail

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 72.6715, 89.2895, 70.5311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

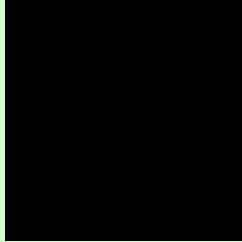
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

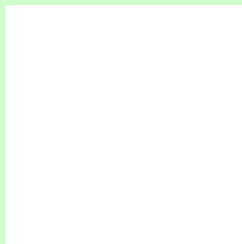
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6715, 89.2895, 70.5311

Background



This preview shows how black text looks on a background with the XYZ color 72.6715, 89.2895, 70.5311.



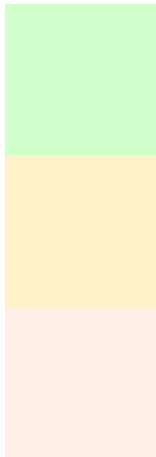
This preview shows how white text looks on a background with the XYZ color 72.6715, 89.2895,

70.5311.

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

72.6715, 89.2895, 70.5311

Protanopia

83.6528, 89.0285, 68.6524

Deuteranopia

86.5303, 88.7625, 88.1735



Tritanopia

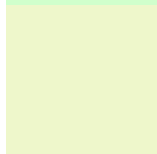
83.0338, 88.7444, 107.3608

Trichromacy



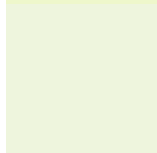
Original Color

72.6715, 89.2895, 70.5311



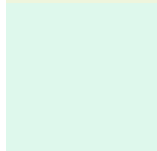
Protanomaly

79.3002, 89.0105, 69.5011



Deuteranomaly

80.9634, 88.7024, 81.2607



Tritanomaly

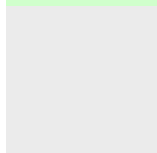
78.8319, 88.7205, 92.3268

Monochromacy



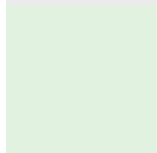
Original Color

72.6715, 89.2895, 70.5311



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.2580, 84.8936, 82.8879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6715, 89.2895, 70.5311 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 72.6715, 89.2895, 70.5311 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, 204) }
```


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

```
.border{ border-color:rgb(208, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6715, 89.2895, 70.5311 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, 204) }
```

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

```
.background{ background-color: rgb(208,  
255, 204) }
```

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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