

Converting Colors

XYZ(72.7231, 88.3600, 70.9799)

Have a look what the booklet for XYZ(72.7231, 88.3600, 70.9799) contains.

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Color

**XYZ(72.7231, 88.3600,
70.9799)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FDCD
RGB	210, 253, 205
RGB Percent	82%, 99%, 80%
CMY	0.1765, 0.0078, 0.1961
CMYK	0.17, 0.00, 0.19, 0.01
HSL	114°, 92%, 90%
HSV	114°, 19%, 99%
XYZ	72.7231, 88.3600, 70.9799
YIQ	234.6710, -10.2200, -24.0440

Conversions

Conversions Part 2

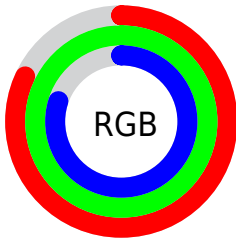
Format	Color
RYB	205, 253, 248
Decimal	13827533
CIELab	95.31, -22.48, 18.50
CIELCh	95, 29.115, 140.544
Yxy	88.3600, 0.3134, 0.3808
Android (android.graphics.Color)	4292017613 (0xFFD2FDCD)
YUV	234.6710, -14.6278, -21.6365
Hunter-Lab	94.0000, -26.4035, 21.0298

Details

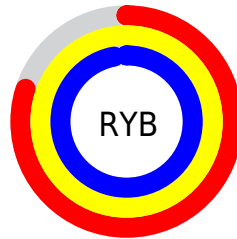
The XYZ color **72.7231, 88.3600, 70.9799** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2760, 70.7135, 102.4566**, and the grayscale version is **78.8307, 82.9361, 90.3174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8434, 48.6828, 36.6276** is the 20% darker color. If you saturate the color by 10%, you get **63.9106, 84.1444, 55.8938**, and if you desaturate by 10%, it is **82.9482, 93.2519, 88.7136**.

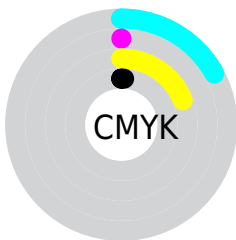
Distribution



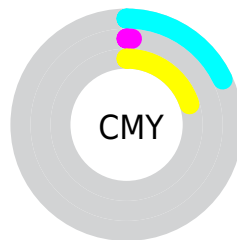
- Red (82%)
- Green (99%)
- Blue (80%)



- Red (80%)
- Yellow (99%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (18%)
- Magenta (1%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7231, 88.3600, 70.9799 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 72.7231, 88.3600, 70.9799 by changing the saturation by 10% instead.


 72.7231, 88.3600,
70.9799

 72.7231, 88.3600,
70.9799


459.1732,
522.6814, 482.8649

 54.0371, 66.6213,
51.8441


122.0893,
145.0582, 122.2993

 38.8621, 48.7769,
36.4994


153.5002,
180.7865, 155.3199

 26.8327, 34.4425,
24.5274


189.8835,
221.9468, 193.8059

 17.5836, 23.2338,
15.5095

231.6046,
268.9234, 238.1758

 10.7493, 14.7662,
9.0272

279.0287,
322.1008, 288.8481

 5.9646, 8.6555,
4.6618

332.5213,

 2.8640, 4.5172,

381.8633, 346.2413

1.9950

392.4477,
448.5954, 410.7741

■ 1.0823, 1.9669,
0.5522

■ 0.0102, 0.5881,
0.0000

■ 72.7231, 88.3600,
70.9799

■ 72.7231, 88.3600,
70.9799

■ 63.9106, 84.1444,
55.8938

■ 82.9482, 93.2519,
88.7136

■ 56.4417, 80.5645,
43.3230

■ 94.4170, 98.7341,
108.6890

■ 50.2522, 77.5929,
33.1323

■ 45.2699, 75.1954,
25.1717

■ 41.4151, 73.3348,
19.2742

■ 38.5988, 71.9691,
15.2492

■ 36.7179, 71.0501,
12.8711

■ 35.6388, 70.5163,
11.8072

■ 35.5620, 70.4783,
11.7294

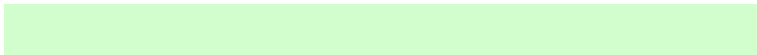
Harmonies

Analogous

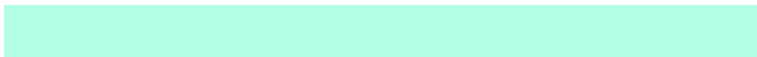
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7316, 88.3600, 60.7561



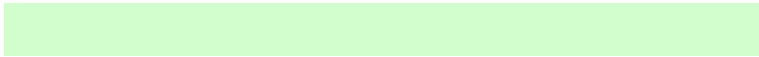
72.7231, 88.3600, 70.9799



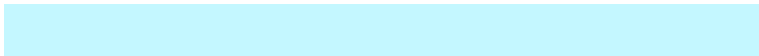
69.7870, 88.3600, 89.1934

Triad

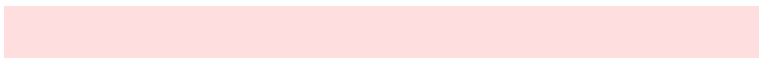
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7231, 88.3600, 70.9799



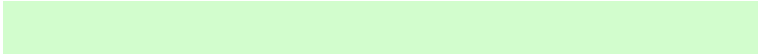
81.4968, 88.3600, 146.1865



99.1291, 88.3600, 81.6464

Complementary

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



72.7231, 88.3600, 70.9799



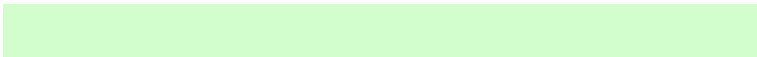
78.2760, 70.7135, 102.4566

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.



99.9855, 88.3600, 103.5832



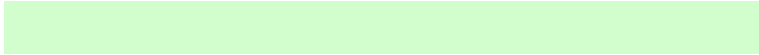
72.7231, 88.3600, 70.9799



89.4640, 88.3600, 143.3112

Square

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



72.7231, 88.3600, 70.9799



74.6375, 88.3600, 134.1321



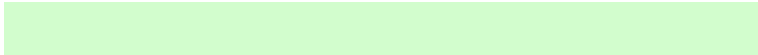
96.3502, 88.3600, 126.8032



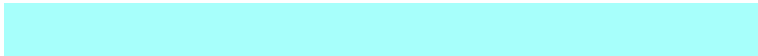
94.0789, 88.3600, 66.2062

Rectangle

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



72.7231, 88.3600, 70.9799



69.8316, 88.3600, 104.4464



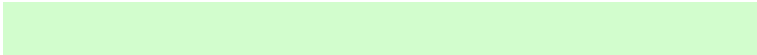
96.3502, 88.3600, 126.8032



99.9289, 88.3600, 88.4166

Sweetspot

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



72.7255, 88.3638, 70.9818



87.8195, 96.5459, 96.2112



84.9145, 92.0612, 71.0531



18.6356, 20.5877, 20.3109



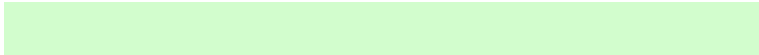
0.0000, 0.0000, 0.0000



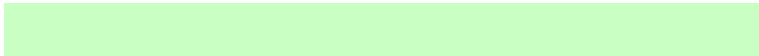
20.3446, 21.4041, 23.3091

Same Dimension

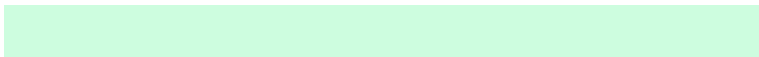
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7255, 88.3638, 70.9818



70.2449, 88.1420, 65.7445



73.6782, 88.5830, 83.3125



17.9471, 20.2586, 19.1087



18.9722, 37.5186, 6.2419



1.9024, 3.6815, 0.6103

Inverse Universe

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



78.2760, 70.7135, 102.4566



76.8974, 66.9778, 103.4828



77.2801, 70.5227, 87.8369



18.5953, 18.1986, 22.7826



26.2987, 12.4679, 50.4550



2.6120, 1.2404, 4.9150

Previews

White Background



This preview shows how the XYZ color 72.7231, 88.3600, 70.9799 looks on a white background.

Color Contrast Check

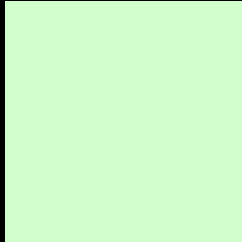
Large Text (above 18pt) WCAG AA × Fail

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 72.7231, 88.3600, 70.9799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

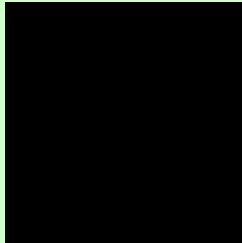
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

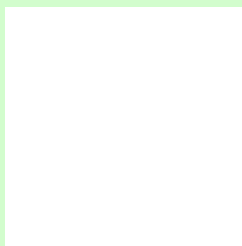
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7231, 88.3600, 70.9799

Background



This preview shows how black text looks on a background with the XYZ color 72.7231, 88.3600, 70.9799.



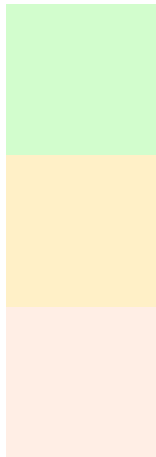
This preview shows how white text looks on a background with the XYZ color 72.7231, 88.3600,

70.9799.

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

72.7231, 88.3600, 70.9799

Protanopia

82.7089, 87.7037, 66.6021

Deuteranopia

85.9574, 88.0662, 86.5968



Tritanopia

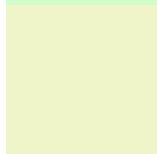
82.4137, 87.9792, 107.2458

Trichromacy



Original Color

72.7231, 88.3600, 70.9799



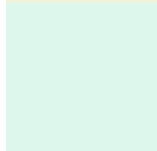
Protanomaly

78.7916, 87.8726, 68.0667



Deuteranomaly

80.5655, 87.6192, 80.3761



Tritanomaly

78.6710, 88.1655, 92.9920

Monochromacy



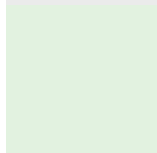
Original Color

72.7231, 88.3600, 70.9799



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.5707, 85.0548, 82.9025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7231, 88.3600, 70.9799 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, 253, 205)` looks like.

```
.text, #text, p{  
    color:rgb(210, 253, 205)  
}
```

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, 253, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 253, 205) }
```

Border

The CSS property to change the border of an element to XYZ 72.7231, 88.3600, 70.9799 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, 253, 205) }
```


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

```
.border{ border-color:rgb(210, 253, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 253, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 253, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 253, 205);  
box-shadow:4px 4px 4px 4px rgb(210, 253,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7231, 88.3600, 70.9799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 253, 205) }
```

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

```
.background{ background-color: rgb(210,  
253, 205) }
```

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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