

Converting Colors

XYZ(72.6844, 70.0064,
103.2425)

Have a look what the booklet for
XYZ(72.6844, 70.0064, 103.2425)
contains.

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Color

**XYZ(72.8622, 70.0752,
103.4515)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D3FE
RGB	227, 211, 254
RGB Percent	89%, 83%, 100%
CMY	0.1098, 0.1725, 0.0039
CMYK	0.11, 0.17, 0.00, 0.00
HSL	262°, 96%, 91%
HSV	262°, 17%, 100%
XYZ	72.8622, 70.0752, 103.4515
YIQ	220.6860, -4.2670, 16.7650

Conversions

Conversions Part 2

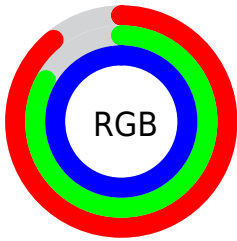
Format	Color
R _Y B	227, 211, 254
Decimal	14930942
CIE Lab	87.03, 13.49, -18.97
CIE LCh	87, 23.283, 305.422
Yxy	70.0752, 0.2957, 0.2844
Android (android.graphics.Color)	4293121022 (0xFFE3D3FE)
YUV	220.6860, 16.4238, 5.5374
Hunter-Lab	83.7109, 8.8727, -14.6740

Details

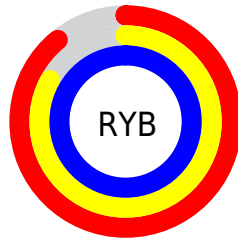
The XYZ color **72.8622, 70.0752, 103.4515** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.4620, 93.7657, 75.3837**, and the grayscale version is **68.3996, 71.9618, 78.3664**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7611, 36.4661, 57.8190** is the 20% darker color. If you saturate the color by 10%, you get **62.2443, 55.9640, 101.2885**, and if you desaturate by 10%, it is **84.9474, 86.4265, 105.9718**.

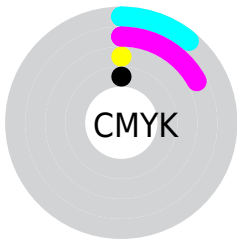
Distribution



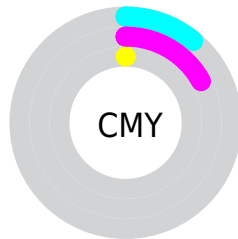
- Red (89%)
- Green (83%)
- Blue (100%)



- Red (89%)
- Yellow (83%)
- Blue (100%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8622, 70.0752, 103.4515 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 72.8622, 70.0752, 103.4515 by changing the saturation by 10% instead.

72.8622, 70.0752,
103.4515

72.8622, 70.0752,
103.4515

459.6483,
460.8140, 592.5437

54.1513, 51.5878,
78.5533

122.2858,
119.3160, 167.9854

38.9538, 36.6767,
58.0094

153.7291,
150.8382, 208.4581

26.9043, 24.9572,
41.4015

190.1473,
187.4742, 254.9595

17.6376, 16.0452,
28.3109

231.9056,
229.6083, 307.9079

10.7882, 9.5561,
18.3190

279.3696,
277.6249, 367.7220

5.9909, 5.1057,
11.0075

332.9044,

2.8801, 2.3094,

331.9085, 434.8203

5.9576

392.8755,
392.8434, 509.6213

■ 1.0907, 0.7787,
2.7510

■ 0.0173, 0.0000,
0.9689

■ 72.8622, 70.0752,
103.4515

■ 72.8622, 70.0752,
103.4515

■ 62.2443, 55.9640,
101.2885

■ 84.9474, 86.4265,
105.9718

■ 53.0281, 43.9843,
99.4619

94.8896, 99.9358,
108.0553

■ 45.1520, 34.0312,
97.9559

■ 38.5473, 25.9876,
96.7514

■ 33.1383, 19.7236,
95.8274

■ 28.8404, 15.0928,
95.1601

■ 25.5559, 11.9238,
94.7215

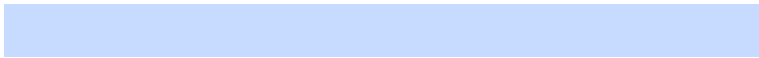
■ 23.1641, 10.0007,
94.4764

■ 22.5574, 9.5622,
94.4238

Harmonies

Analogous

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



67.5992, 70.0752, 110.2326



72.8622, 70.0752, 103.4515



76.5920, 70.0752, 89.4706

Triad

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



72.8622, 70.0752, 103.4515



71.0570, 70.0752, 52.1402



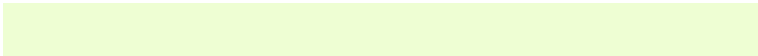
56.7107, 70.0752, 79.1702

Complementary

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



72.8622, 70.0752, 103.4515



82.4620, 93.7657, 75.3837

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.



57.5251, 70.0752, 64.4898



72.8622, 70.0752, 103.4515



65.6194, 70.0752, 50.1611

Square

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



72.8622, 70.0752, 103.4515



75.5106, 70.0752, 60.1992



60.7155, 70.0752, 54.3706



58.4275, 70.0752, 95.0425

Rectangle

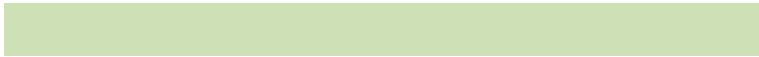
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8622, 70.0752, 103.4515



77.6014, 70.0752, 78.7195



60.7155, 70.0752, 54.3706



56.6987, 70.0752, 73.9306

Sweetspot

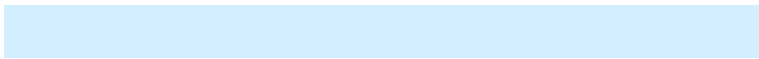
The Sweet Spot groups the original color and five complimentary colors.



72.8643, 70.0781, 103.4530



88.2322, 90.6462, 107.4539



75.3983, 82.2921, 105.6770



18.6869, 19.1308, 22.9577



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.



72.8643, 70.0781, 103.4530



70.0666, 66.0897, 103.6714



79.9918, 73.7525, 103.7866



17.6414, 17.7069, 22.7379



12.0415, 5.1181, 49.7878



1.2883, 0.5581, 4.8531

Inverse Universe

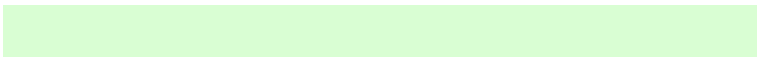
The Inverse Universe completely reimagines the original color for something new.



79.6023, 73.8354, 90.9484



77.9768, 70.5033, 88.8747



75.7381, 90.2994, 75.0691



18.4892, 18.1790, 21.1934



24.9447, 12.4672, 18.8909



2.4817, 1.2350, 2.1179

Previews

White Background



This preview shows how the XYZ color 72.8622, 70.0752, 103.4515 looks on a white background.

Color Contrast Check

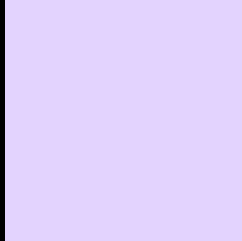
Large Text (above 18pt) WCAG AA × Fail

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 72.8622, 70.0752, 103.4515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

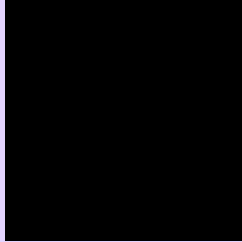
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8622, 70.0752, 103.4515

Background



This preview shows how black text looks on a background with the XYZ color 72.8622, 70.0752, 103.4515.

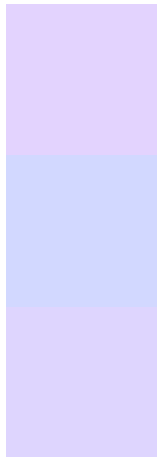


This preview shows how white text looks on a background with the XYZ color 72.8622, 70.0752,

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

72.8622, 70.0752, 103.4515

Protanopia

69.1842, 70.0334, 104.4791

Deuteranopia

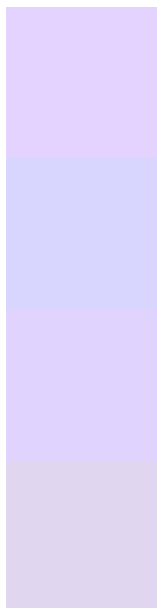
71.8078, 70.2739, 103.5455



Tritanopia

69.2974, 70.1150, 86.2251

Trichromacy



Original Color

72.8622, 70.0752, 103.4515

Protanomaly

70.4155, 69.9121, 104.3908

Deuteranomaly

72.1733, 70.0900, 103.4907

Tritanomaly

70.5152, 70.2317, 92.2776

Monochromacy



Original Color

72.8622, 70.0752, 103.4515

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.9523, 71.1969, 87.1463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8622, 70.0752, 103.4515 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(227, 211, 254)` looks like.

```
.text, #text, p{  
    color:rgb(227, 211, 254)  
}
```

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(227, 211, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 211, 254) }
```

Border

The CSS property to change the border of an element to XYZ 72.8622, 70.0752, 103.4515 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(227, 211, 254) }
```


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

```
.border{ border-color:rgb(227, 211, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 211, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 211, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 211, 254);  
box-shadow:4px 4px 4px 4px rgb(227, 211,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8622, 70.0752, 103.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 211, 254) }
```

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

```
.background{ background-color: rgb(227,  
211, 254) }
```

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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