

Converting Colors

XYZ(70.7230, 62.7075, 99.3450)

Have a look what the booklet for XYZ(70.7230, 62.7075, 99.3450) contains.

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Color

**XYZ(70.7435, 62.7671,
99.6535)**

Conversions

Conversions Part 1

Format	Color
Hex	EBC1FB
RGB	235, 193, 251
RGB Percent	92%, 76%, 98%
CMY	0.0784, 0.2431, 0.0157
CMYK	0.06, 0.23, 0.00, 0.02
HSL	283°, 88%, 87%
HSV	283°, 23%, 98%
XYZ	70.7435, 62.7671, 99.6535
YIQ	212.1700, 6.4140, 26.9420

Conversions

Conversions Part 2

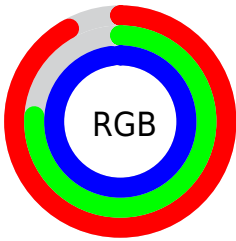
Format	Color
R_{YB}	235, 193, 251
Decimal	15450619
CIE _{Lab}	83.32, 25.02, -22.94
CIE _{LCh}	83, 33.948, 317.488
Yxy	62.7671, 0.3034, 0.2692
Android (android.graphics.Color)	4293640699 (0xFFEBC1FB)
YUV	212.1700, 19.1432, 20.0219
Hunter-Lab	79.2257, 20.7442, -19.1195

Details

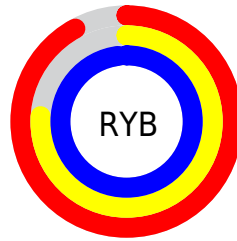
The XYZ color **70.7435, 62.7671, 99.6535** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.4195, 86.4015, 63.4207**, and the grayscale version is **62.5677, 65.8261, 71.6846**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **37.5606, 31.9440, 55.2251** is the 20% darker color. If you saturate the color by 10%, you get **63.4174, 51.4420, 97.8546**, and if you desaturate by 10%, it is **79.1041, 76.0267, 101.7732**.

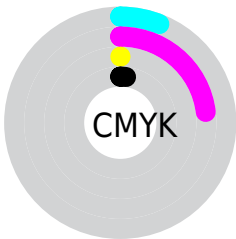
Distribution



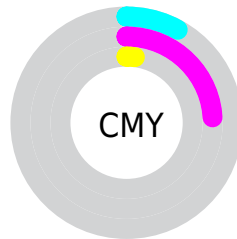
- Red (92%)
- Green (76%)
- Blue (98%)



- Red (92%)
- Yellow (76%)
- Blue (98%)



- Cyan (6%)
- Magenta (23%)
- Yellow (0%)
- Black (2%)



- Cyan (8%)
- Magenta (24%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7435, 62.7671, 99.6535 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 70.7435, 62.7671, 99.6535 by changing the saturation by 10% instead.

70.7435, 62.7671,
99.6535

70.7435, 62.7671,
99.6535

452.3821,
434.7238, 580.3184

52.4147, 45.6528,
75.3959

119.2889,
108.8334, 162.7287

37.5613, 31.9719,
55.4336

150.2362,
138.5543, 202.3833

25.8181, 21.3401,
39.3481

186.1204,
173.2461, 248.0074

16.8195, 13.3728,
26.7207

227.3069,
213.2933, 300.0195

10.2004, 7.6858,
17.1330

274.1609,
259.0803, 358.8381

5.5953, 3.8945,
10.1664

327.0479,

2.6389, 1.6147,

310.9914, 424.8817

5.4024

386.3331,
369.4111, 498.5690

0.9658, 0.3675,
2.4224

0.0000, 0.0000,
0.7986

70.7435, 62.7671,
99.6535

70.7435, 62.7671,
99.6535

63.4174, 51.4420,
97.8546

79.1041, 76.0267,
101.7732

57.0715, 41.9477,
96.3565

88.5385, 91.3015,
104.2243

51.6550, 34.1832,
95.1433

94.4128, 99.7451,
105.5444

47.1099, 28.0339,
94.1959

■ 43.3712, 23.3715,
93.4930

■ 40.3640, 20.0474,
93.0099

■ 37.9971, 17.8814,
92.7166

■ 36.6471, 16.8808,
92.5946

Harmonies

Analogous

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



64.0256, 62.7671, 114.9031



70.7435, 62.7671, 99.6535



74.6141, 62.7671, 77.5324

Triad

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



70.7435, 62.7671, 99.6535



62.7862, 62.7671, 35.8460



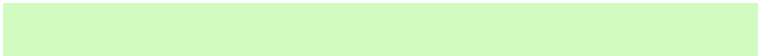
47.1196, 62.7671, 81.2991

Complementary

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



70.7435, 62.7671, 99.6535



70.4195, 86.4015, 63.4207

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.



46.8477, 62.7671, 59.9094



70.7435, 62.7671, 99.6535



55.4942, 62.7671, 36.4432

Square

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



70.7435, 62.7671, 99.6535



69.7720, 62.7671, 42.5461



49.7961, 62.7671, 44.3912



50.5724, 62.7671, 102.8963

Rectangle

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



70.7435, 62.7671, 99.6535



74.8652, 62.7671, 63.1816



49.7961, 62.7671, 44.3912



46.6640, 62.7671, 73.7775

Sweetspot

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



70.7455, 62.7698, 99.6549



87.8291, 88.2133, 107.0055



62.3143, 64.1190, 100.3597



18.6714, 18.6744, 22.8704



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.



70.7455, 62.7698, 99.6549



69.4686, 59.0488, 102.3439



74.3519, 64.8503, 89.8233



17.4988, 17.2698, 21.7964



19.4110, 8.9494, 48.6779



1.9001, 0.8816, 4.5132

Inverse Universe

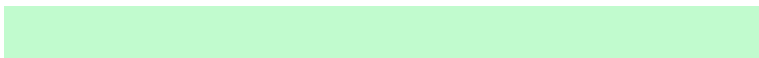
The Inverse Universe completely reimagines the original color for something new.



70.3643, 63.2553, 68.8253



69.1124, 59.7010, 64.5664



67.5797, 84.7686, 70.9197



17.4413, 17.3039, 18.9138



21.5330, 11.0289, 4.2493



2.0371, 1.0386, 0.6186

Previews

White Background



This preview shows how the XYZ color 70.7435, 62.7671, 99.6535 looks on a white background.

Color Contrast Check

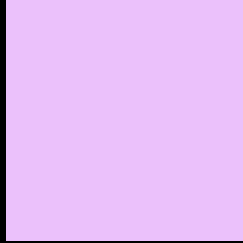
Large Text (above 18pt) WCAG AA × Fail

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 70.7435, 62.7671, 99.6535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

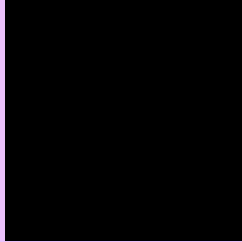
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7435, 62.7671, 99.6535

Background



This preview shows how black text looks on a background with the XYZ color 70.7435, 62.7671, 99.6535.

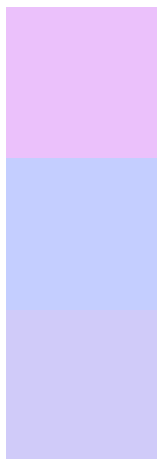


This preview shows how white text looks on a background with the XYZ color 70.7435, 62.7671,

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

70.7435, 62.7671, 99.6535

Protanopia

62.8863, 63.0984, 103.4725

Deuteranopia

64.4672, 62.9613, 98.3775



Tritanopia

65.5531, 63.0378, 73.0025

Trichromacy



Original Color

70.7435, 62.7671, 99.6535



Protanomaly

65.3544, 62.6307, 102.4103



Deuteranomaly

66.5922, 62.6544, 99.0262



Tritanomaly

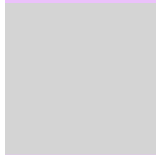
67.2486, 62.6897, 81.9547

Monochromacy



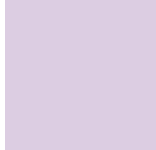
Original Color

70.7435, 62.7671, 99.6535



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

65.0740, 64.3693, 80.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7435, 62.7671, 99.6535 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(235, 193, 251)` looks like.

```
.text, #text, p{  
    color:rgb(235, 193, 251)  
}
```

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(235, 193, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 193, 251) }
```

Border

The CSS property to change the border of an element to XYZ 70.7435, 62.7671, 99.6535 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(235, 193, 251) }
```


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

```
.border{ border-color:rgb(235, 193, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 193, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 193, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 193, 251);  
box-shadow:4px 4px 4px 4px rgb(235, 193,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7435, 62.7671, 99.6535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 193, 251) }
```

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

```
.background{ background-color: rgb(235,  
193, 251) }
```

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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