

Converting Colors

XYZ(72.4893, 69.8338, 98.7996)

Have a look what the booklet for
XYZ(72.4893, 69.8338, 98.7996)
contains.

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Color

**XYZ(72.5506, 70.0239,
98.4991)**

Conversions

Conversions Part 1

Format	Color
Hex	E5D3F8
RGB	229, 211, 248
RGB Percent	90%, 83%, 97%
CMY	0.1020, 0.1725, 0.0274
CMYK	0.08, 0.15, 0.00, 0.03
HSL	269°, 73%, 90%
HSV	269°, 15%, 97%
XYZ	72.5506, 70.0239, 98.4991
YIQ	220.6000, -1.1490, 15.3230

Conversions

Conversions Part 2

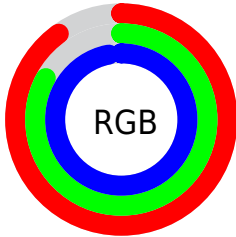
Format	Color
R _Y B	229, 211, 248
Decimal	15062008
CIE _{Lab}	87.01, 12.95, -15.83
CIE _{LCh}	87, 20.450, 309.289
Y _{xy}	70.0239, 0.3009, 0.2905
Android (android.graphics.Color)	4293252088 (0xFFE5D3F8)
Y _{UV}	220.6000, 13.5082, 7.3668
Hunter-Lab	83.6803, 8.3186, -11.2134

Details

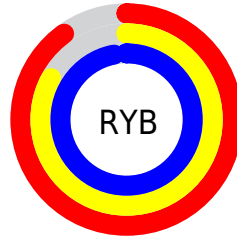
The XYZ color **72.5506, 70.0239, 98.4991** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.9611, 88.6629, 74.6362**, and the grayscale version is **68.3577, 71.9176, 78.3183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6365, 36.4669, 54.8716** is the 20% darker color. If you saturate the color by 10%, you get **62.9430, 56.6211, 96.4196**, and if you desaturate by 10%, it is **83.4111, 85.4873, 100.9125**.

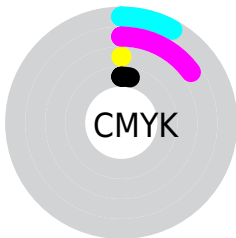
Distribution



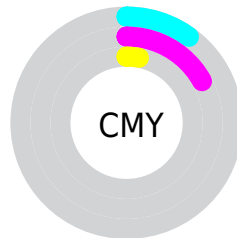
- Red (90%)
- Green (83%)
- Blue (97%)



- Red (90%)
- Yellow (83%)
- Blue (97%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (10%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5506, 70.0239, 98.4991 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 72.5506, 70.0239, 98.4991 by changing the saturation by 10% instead.

72.5506, 70.0239,
98.4991

72.5506, 70.0239,
98.4991

458.5837,
460.6339, 576.5754

53.8956, 51.5460,
74.4378

121.8456,
119.2428, 161.1269

38.7486, 36.6433,
54.6535

153.2163,
150.7527, 200.5305

26.7440, 24.9315,
38.7276

189.5564,
187.3753, 245.8852

17.5167, 16.0260,
26.2417

231.2311,
229.4951, 297.6097

10.7011, 9.5426,
16.7772

278.6058,
277.4965, 356.1224

5.9320, 5.0967,
9.9155

332.0460,

2.8441, 2.3041,

331.7638, 421.8419

5.2381

391.9168,
392.6815, 495.1867

■ 1.0718, 0.7759,
2.3264

■ 0.0014, 0.0000,
0.7460

■ 72.5506, 70.0239,
98.4991

■ 72.5506, 70.0239,
98.4991

■ 62.9430, 56.6211,
96.4196

■ 83.4111, 85.4873,
100.9125

■ 54.5322, 45.1798,
94.6545

■ 93.7504, 99.4578,
103.0642

■ 47.2668, 35.6061,
93.1895

■ 93.9435, 99.5574,
103.0732

■ 41.0892, 27.7943,
92.0072

■ 35.9357, 21.6282,
91.0887

■ 31.7357, 16.9768,
90.4122

■ 28.4072, 13.6880,
89.9529

■ 25.8513, 11.5758,
89.6799

■ 24.7780, 10.8162,
89.5898

Harmonies

Analogous

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



68.0511, 70.0239, 105.3021



72.5506, 70.0239, 98.4991



75.5336, 70.0239, 85.9429

Triad

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



72.5506, 70.0239, 98.4991



69.8612, 70.0239, 54.1665



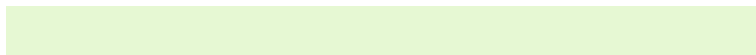
57.8861, 70.0239, 80.5750

Complementary

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



72.5506, 70.0239, 98.4991



77.9611, 88.6629, 74.6362

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.



58.3188, 70.0239, 67.3039



72.5506, 70.0239, 98.4991



65.0822, 70.0239, 53.0935

Square

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



72.5506, 70.0239, 98.4991



73.9300, 70.0239, 60.7526



60.9003, 70.0239, 57.6224



59.6887, 70.0239, 94.1678

Rectangle

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



72.5506, 70.0239, 98.4991



76.1813, 70.0239, 76.5713



60.9003, 70.0239, 57.6224



57.7769, 70.0239, 75.9179

Sweetspot

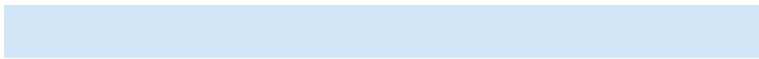
The Sweet Spot groups the original color and five complimentary colors.



72.5527, 70.0269, 98.5006



89.9809, 92.6839, 107.7550



72.1392, 77.2875, 99.9239



19.0609, 19.5525, 23.0193



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.



72.5527, 70.0269, 98.5006



73.9682, 69.9302, 104.2071



78.7327, 73.2128, 98.7899



17.0868, 17.0574, 21.7771



13.5456, 5.9257, 48.4034



1.3764, 0.6117, 4.4887

Inverse Universe

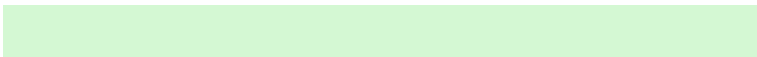
The Inverse Universe completely reimagines the original color for something new.



76.2911, 72.2613, 84.7935



78.7262, 72.7745, 86.7432



72.3689, 85.7800, 74.3745



17.6167, 17.3741, 19.8375



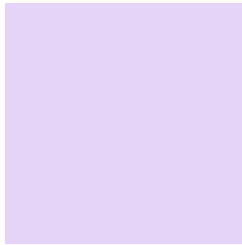
23.0653, 11.6419, 12.3184



2.1898, 1.0997, 1.4231

Previews

White Background



This preview shows how the XYZ color 72.5506, 70.0239, 98.4991 looks on a white background.

Color Contrast Check

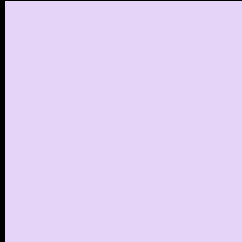
Large Text (above 18pt) WCAG AA × Fail

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 72.5506, 70.0239, 98.4991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

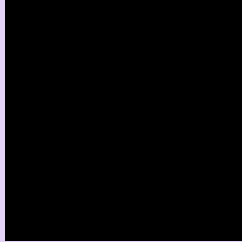
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.5506, 70.0239, 98.4991

Background



This preview shows how black text looks on a background with the XYZ color 72.5506, 70.0239, 98.4991.

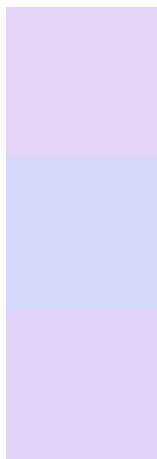


This preview shows how white text looks on a background with the XYZ color 72.5506, 70.0239,

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

72.5506, 70.0239, 98.4991

Protanopia

69.1198, 70.0738, 101.1494

Deuteranopia

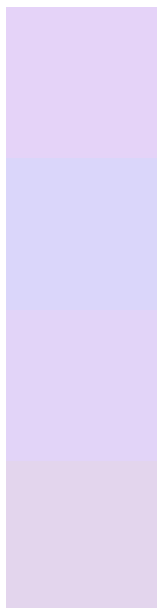
71.5381, 69.8718, 98.5231



Tritanopia

69.8344, 70.0314, 85.4380

Trichromacy



Original Color

72.5506, 70.0239, 98.4991

Protanomaly

70.2153, 69.9007, 100.2339

Deuteranomaly

71.8508, 70.0330, 98.5377

Tritanomaly

70.7589, 70.0338, 89.9092

Monochromacy



Original Color

72.5506, 70.0239, 98.4991

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.9771, 71.2425, 85.6643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5506, 70.0239, 98.4991 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(229, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(229, 211, 248)  
}
```

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(229, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 211, 248) }
```

Border

The CSS property to change the border of an element to XYZ 72.5506, 70.0239, 98.4991 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(229, 211, 248) }
```


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

```
.border{ border-color:rgb(229, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(229, 211,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5506, 70.0239, 98.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 211, 248) }
```

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

```
.background{ background-color: rgb(229,  
211, 248) }
```

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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