

Converting Colors

XYZ(72.8432, 69.3508,
102.4753)

Have a look what the booklet for
XYZ(72.8432, 69.3508, 102.4753)
contains.

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Color

**XYZ(72.8432, 69.3508,
102.4753)**

Conversions

Conversions Part 1

Format	Color
Hex	E5D1FD
RGB	229, 209, 253
RGB Percent	90%, 82%, 99%
CMY	0.1020, 0.1804, 0.0078
CMYK	0.09, 0.17, 0.00, 0.01
HSL	267°, 92%, 91%
HSV	267°, 17%, 99%
XYZ	72.8432, 69.3508, 102.4753
YIQ	219.9960, -2.2040, 17.9240

Conversions

Conversions Part 2

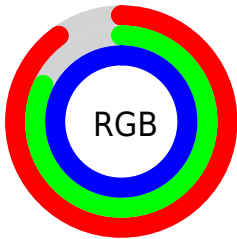
Format	Color
R _Y B	229, 209, 253
Decimal	15061501
CIE Lab	86.68, 14.99, -18.97
CIE LCh	87, 24.176, 308.321
Yxy	69.3508, 0.2977, 0.2834
Android (android.graphics.Color)	4293251581 (0xFFE5D1FD)
YUV	219.9960, 16.2710, 7.8965
Hunter-Lab	83.2771, 10.4005, -14.6643

Details

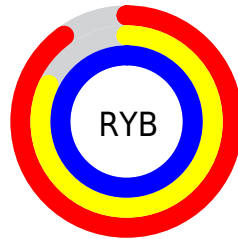
The XYZ color **72.8432, 69.3508, 102.4753** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.2406, 92.1794, 73.8882**, and the grayscale version is **67.9177, 71.4547, 77.8142**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9187, 36.3124, 57.1823** is the 20% darker color. If you saturate the color by 10%, you get **62.8926, 55.7280, 100.3714**, and if you desaturate by 10%, it is **84.1338, 85.1312, 104.9272**.

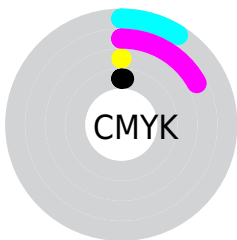
Distribution



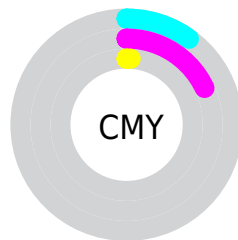
- Red (90%)
- Green (82%)
- Blue (99%)



- Red (90%)
- Yellow (82%)
- Blue (99%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8432, 69.3508, 102.4753 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 72.8432, 69.3508, 102.4753 by changing the saturation by 10% instead.

72.8432, 69.3508,
102.4753

72.8432, 69.3508,
102.4753

459.5834,
458.2672, 589.4142

54.1357, 50.9975,
77.7410

122.2589,
118.2825, 166.6361

38.9412, 36.2066,
57.3461

153.6978,
149.6296, 206.8997

26.8945, 24.5938,
40.8719

190.1112,
186.0768, 253.1769

17.6302, 15.7747,
27.9001

231.8645,
228.0084, 305.8861

10.7829, 9.3648,
18.0120

279.3230,
275.8089, 365.4459

5.9873, 4.9799,
10.7890

332.8521,

2.8779, 2.2355,

329.8626, 432.2748

5.8128

392.8171,
390.5539, 506.7914

■ 1.0895, 0.7392,
2.6646

■ 0.0163, 0.0000,
0.9255

■ 72.8432, 69.3508,
102.4753

■ 72.8432, 69.3508,
102.4753

■ 62.8926, 55.7280,
100.3714

■ 84.1338, 85.1312,
104.9272

■ 54.2211, 44.1571,
98.5950

94.7298, 99.8719,
107.2140

■ 46.7723, 34.5363,
97.1306

■ 40.4826, 26.7515,
95.9595

■ 35.2822, 20.6763,
95.0609

■ 31.0923, 16.1675,
94.4115

■ 27.8217, 13.0574,
93.9835

■ 25.3539, 11.1287,
93.7413

■ 24.7992, 10.7363,
93.6948

Harmonies

Analogous

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



67.4915, 69.3508, 110.4441



72.8432, 69.3508, 102.4753



76.4719, 69.3508, 87.5254

Triad

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



72.8432, 69.3508, 102.4753



69.9872, 69.3508, 50.2573



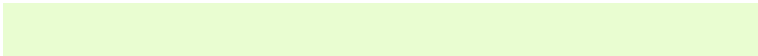
55.7949, 69.3508, 80.0773

Complementary

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



72.8432, 69.3508, 102.4753



80.2406, 92.1794, 73.8882

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.



56.3789, 69.3508, 64.6501



72.8432, 69.3508, 102.4753



64.3649, 69.3508, 48.8508

Square

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



72.8432, 69.3508, 102.4753



74.7589, 69.3508, 57.9074



59.4422, 69.3508, 53.7479



57.7992, 69.3508, 96.3637

Rectangle

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



72.8432, 69.3508, 102.4753



77.3134, 69.3508, 76.4213



59.4422, 69.3508, 53.7479



55.6974, 69.3508, 74.6084

Sweetspot

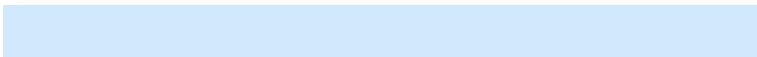
The Sweet Spot groups the original color and five complimentary colors.



72.8453, 69.3537, 102.4768



88.6040, 90.8379, 107.4713



73.2222, 79.0408, 104.3268



18.7771, 19.1774, 22.9619



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.



72.8453, 69.3537, 102.4768



70.3397, 65.3381, 103.5120



80.2437, 73.1677, 102.8231



17.7873, 17.7821, 22.7447



13.3551, 5.7953, 49.8493



1.4243, 0.6282, 4.8595

Inverse Universe

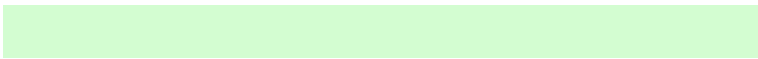
The Inverse Universe completely reimagines the original color for something new.



78.0188, 72.3697, 86.9507



76.6076, 68.9938, 84.6297



73.5577, 88.7342, 73.5754



18.4239, 18.1529, 20.8494



24.0639, 12.1149, 14.2531



2.3982, 1.2016, 1.6782

Previews

White Background



This preview shows how the XYZ color 72.8432, 69.3508, 102.4753 looks on a white background.

Color Contrast Check

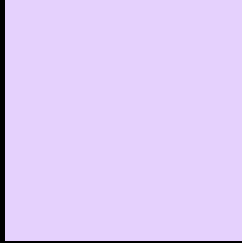
Large Text (above 18pt) WCAG AA × Fail

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 72.8432, 69.3508, 102.4753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

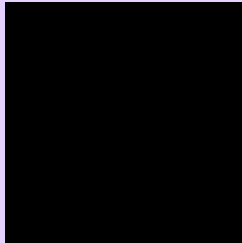
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8432, 69.3508, 102.4753

Background



This preview shows how black text looks on a background with the XYZ color 72.8432, 69.3508, 102.4753.

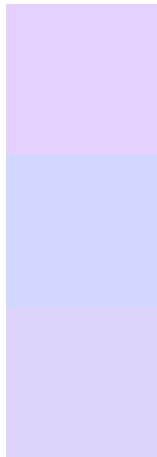


This preview shows how white text looks on a background with the XYZ color 72.8432, 69.3508,

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

72.8432, 69.3508, 102.4753

Protanopia

68.6449, 69.3762, 104.3807

Deuteranopia

70.9330, 69.4874, 101.7693



Tritanopia

69.1285, 69.3092, 84.5975

Trichromacy



Original Color

72.8432, 69.3508, 102.4753

Protanomaly

70.0025, 69.3432, 103.4610

Deuteranomaly

71.6054, 69.4641, 101.7294

Tritanomaly

70.3401, 69.4288, 90.5827

Monochromacy



Original Color

72.8432, 69.3508, 102.4753

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

69.5528, 70.6259, 86.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8432, 69.3508, 102.4753 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, 209, 253)` looks like.

```
.text, #text, p{  
    color:rgb(229, 209, 253)  
}
```

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, 209, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 209, 253) }
```

Border

The CSS property to change the border of an element to XYZ 72.8432, 69.3508, 102.4753 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, 209, 253) }
```


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

```
.border{ border-color:rgb(229, 209, 253) }
```

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

Here you see how a box with a 4 pixel rgb(229, 209, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 209, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 209, 253);  
box-shadow:4px 4px 4px 4px rgb(229, 209,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8432, 69.3508, 102.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 209, 253) }
```

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

```
.background{ background-color: rgb(229,  
209, 253) }
```

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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