

Converting Colors

XYZ(73.0232, 72.5832,
104.7690)

Have a look what the booklet for
XYZ(73.0232, 72.5832, 104.7690)
contains.

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Color

**XYZ(72.9871, 72.3753,
104.7307)**

Conversions

Conversions Part 1

Format	Color
Hex	DED9FF
RGB	222, 217, 255
RGB Percent	87%, 85%, 100%
CMY	0.1294, 0.1490, 0.0000
CMYK	0.13, 0.15, 0.00, 0.00
HSL	248°, 100%, 93%
HSV	248°, 15%, 100%
XYZ	72.9871, 72.3753, 104.7307
YIQ	222.8270, -9.2180, 12.8780

Conversions

Conversions Part 2

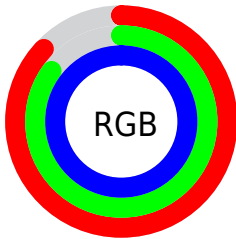
Format	Color
R _Y B	222, 217, 255
Decimal	14604799
CIE Lab	88.15, 8.95, -17.86
CIE LCh	88, 19.974, 296.617
Yxy	72.3753, 0.2918, 0.2894
Android (android.graphics.Color)	4292794879 (0xFFDED9FF)
YUV	222.8270, 15.8613, -0.7253
Hunter-Lab	85.0737, 4.2612, -13.4379

Details

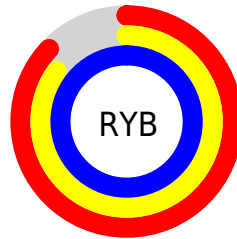
The XYZ color **72.9871, 72.3753, 104.7307** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.7102, 96.8544, 79.7209**, and the grayscale version is **69.9139, 73.5549, 80.1013**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0497, 38.1334, 58.7284** is the 20% darker color. If you saturate the color by 10%, you get **60.5723, 56.9618, 102.4100**, and if you desaturate by 10%, it is **87.3124, 90.2849, 107.4326**.

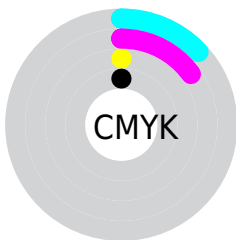
Distribution



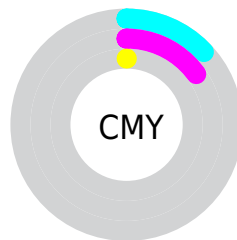
- Red (87%)
- Green (85%)
- Blue (100%)



- Red (87%)
- Yellow (85%)
- Blue (100%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9871, 72.3753, 104.7307 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 72.9871, 72.3753, 104.7307 by changing the saturation by 10% instead.

72.9871, 72.3753,
104.7307

72.9871, 72.3753,
104.7307

460.0746,
468.8468, 596.6313

54.2538, 53.4653,
79.6184

122.4621,
122.5900, 169.7516

39.0360, 38.1744,
58.8800

153.9345,
154.6634, 210.4972

26.9686, 26.1180,
42.0972

190.3840,
191.8935, 257.2909

17.6861, 16.9120,
28.8513

232.1758,
234.6646, 310.5514

10.8232, 10.1717,
18.7237

279.6755,
283.3610, 370.6972

6.0145, 5.5130,
11.2960

333.2482,

2.8946, 2.5513,

338.3673, 438.1467

6.1496

393.2595,
400.0678, 513.3186

■ 1.0983, 0.9022,
2.8660

■ 0.0237, 0.0000,
1.0266

■ 72.9871, 72.3753,
104.7307

■ 72.9871, 72.3753,
104.7307

■ 60.5723, 56.9618,
102.4100

■ 87.3124, 90.2849,
107.4326

■ 49.9809, 43.9250,
100.4518

95.0500, 100.0000,
108.9000

■ 41.1283, 33.1487,
98.8384

■ 33.9204, 24.5033,
97.5495

■ 28.2545, 17.8463,
96.5633

■ 24.0157, 13.0175,
95.8546

■ 21.0728, 9.8314,
95.3947

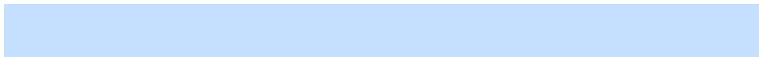
■ 19.2689, 8.0621,
95.1483

■ 18.6947, 7.5523,
95.0802

Harmonies

Analogous

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



68.2502, 72.3753, 108.0793



72.9871, 72.3753, 104.7307



76.7464, 72.3753, 94.1779

Triad

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



72.9871, 72.3753, 104.7307



73.9677, 72.3753, 58.8219



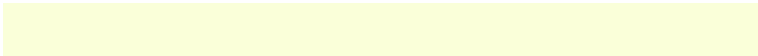
60.0252, 72.3753, 77.2629

Complementary

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



72.9871, 72.3753, 104.7307



87.7102, 96.8544, 79.7209

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.



61.4044, 72.3753, 65.2022



72.9871, 72.3753, 104.7307



69.3338, 72.3753, 55.3596

Square

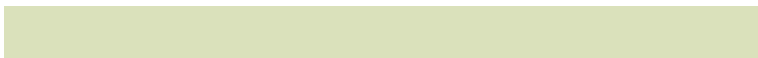
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9871, 72.3753, 104.7307



77.3307, 72.3753, 67.5997



64.7580, 72.3753, 57.5543



60.9035, 72.3753, 91.1835

Rectangle

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



72.9871, 72.3753, 104.7307



78.1159, 72.3753, 85.0492



64.7580, 72.3753, 57.5543



60.2386, 72.3753, 72.8730

Sweetspot

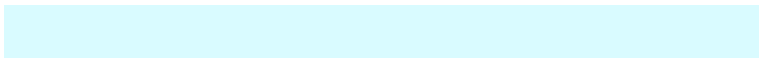
The Sweet Spot groups the original color and five complimentary colors.



72.9891, 72.3782, 104.7312



88.6977, 92.0223, 107.6950



81.0289, 90.6967, 107.8433



18.7369, 19.3854, 23.0042



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.



72.9891, 72.3782, 104.7312



68.9397, 67.3379, 103.9717



78.9472, 75.4498, 105.0100



17.2251, 17.4922, 22.7184



9.8363, 3.9813, 49.6846



1.0233, 0.4214, 4.8407

Inverse Universe

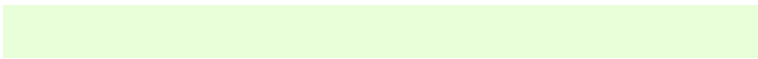
The Inverse Universe completely reimagines the original color for something new.



83.3098, 77.7905, 101.0686



81.1581, 73.7472, 99.5491



81.4242, 93.6139, 79.4268



18.6838, 18.2568, 22.2180



28.4404, 13.8654, 37.2990



2.7965, 1.3610, 3.7757

Previews

White Background



This preview shows how the XYZ color 72.9871, 72.3753, 104.7307 looks on a white background.

Color Contrast Check

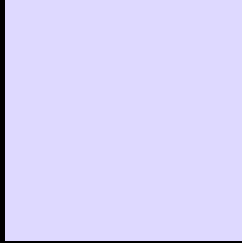
Large Text (above 18pt) WCAG AA × Fail

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 72.9871, 72.3753, 104.7307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

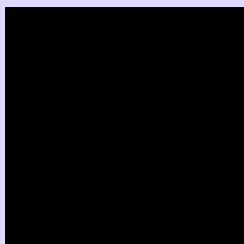
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.9871, 72.3753, 104.7307

Background



This preview shows how black text looks on a background with the XYZ color 72.9871, 72.3753, 104.7307.



This preview shows how white text looks on a background with the XYZ color 72.9871, 72.3753,

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

72.9871, 72.3753, 104.7307

Protanopia

71.4058, 72.3301, 104.8054

Deuteranopia

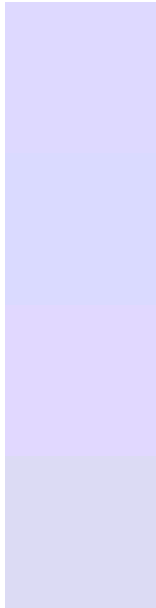
73.9699, 72.5005, 104.7031



Tritanopia

70.0927, 72.3609, 90.3935

Trichromacy



Original Color

72.9871, 72.3753, 104.7307

Protanomaly

72.0348, 72.2682, 104.7603

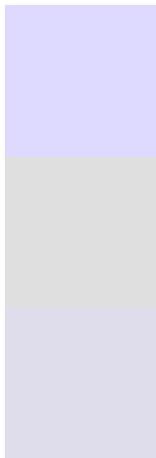
Deuteranomaly

73.6572, 72.3393, 104.6885

Tritanomaly

71.1759, 72.4103, 95.8132

Monochromacy



Original Color

72.9871, 72.3753, 104.7307

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

71.2833, 73.3990, 89.0077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9871, 72.3753, 104.7307 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(222, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 217, 255)  
}
```

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(222, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.9871, 72.3753, 104.7307 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(222, 217, 255) }
```


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

```
.border{ border-color:rgb(222, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(222, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9871, 72.3753, 104.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 217, 255) }
```

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

```
.background{ background-color: rgb(222,  
217, 255) }
```

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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