

Converting Colors

XYZ(73.3360, 67.7769,
103.8248)

Have a look what the booklet for
XYZ(73.3360, 67.7769, 103.8248)
contains.

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Color

**XYZ(73.2471, 67.7294,
103.8203)**

Conversions

Conversions Part 1

Format	Color
Hex	E9CCFF
RGB	233, 204, 255
RGB Percent	91%, 80%, 100%
CMY	0.0863, 0.2000, 0.0000
CMYK	0.09, 0.20, 0.00, 0.00
HSL	274°, 100%, 90%
HSV	274°, 20%, 100%
XYZ	73.2471, 67.7294, 103.8203
YIQ	218.4850, 0.9130, 22.0090

Conversions

Conversions Part 2

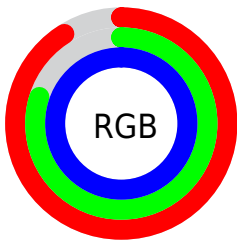
Format	Color
R _Y B	233, 204, 255
Decimal	15322367
CIE Lab	85.87, 19.31, -21.21
CIE LCh	86, 28.685, 312.315
Yxy	67.7294, 0.2992, 0.2767
Android (android.graphics.Color)	4293512447 (0xFFE9CCFF)
YUV	218.4850, 18.0019, 12.7297
Hunter-Lab	82.2979, 14.8480, -17.1869

Details

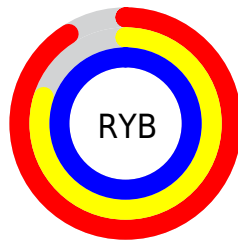
The XYZ color **73.2471, 67.7294, 103.8203** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.0248, 92.0492, 70.7850**, and the grayscale version is **66.8561, 70.3379, 76.5979**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2309, 35.2370, 58.1598** is the 20% darker color. If you saturate the color by 10%, you get **64.1958, 54.7921, 101.8002**, and if you desaturate by 10%, it is **83.5183, 82.7721, 106.1825**.

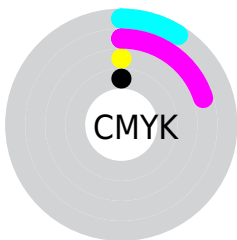
Distribution



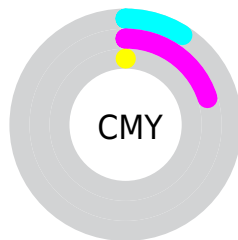
- Red (91%)
- Green (80%)
- Blue (100%)



- Red (91%)
- Yellow (80%)
- Blue (100%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2471, 67.7294, 103.8203 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 73.2471, 67.7294, 103.8203 by changing the saturation by 10% instead.

73.2471, 67.7294,
103.8203

73.2471, 67.7294,
103.8203

460.9613,
452.5367, 593.7237

54.4671, 49.6776,
78.8602

122.8292,
115.9649, 168.4948

39.2074, 35.1573,
58.2603

154.3620,
146.9175, 209.0464

27.1026, 23.7841,
41.6018

190.8765,
182.9391, 255.6321

17.7873, 15.1735,
28.4664

232.7380,
224.4142, 308.6707

10.8961, 8.9413,
18.4354

280.3119,
271.7270, 368.5806

6.0638, 4.7029,
11.0904

333.9635,

2.9249, 2.0740,

325.2622, 435.7804

6.0127

394.0582,
385.4039, 510.6885

■ 1.1142, 0.6500,
2.7839

■ 0.0369, 0.0000,
0.9854

■ 73.2471, 67.7294,
103.8203

■ 73.2471, 67.7294,
103.8203

■ 64.1958, 54.7921,
101.8002

■ 83.5183, 82.7721,
106.1825

■ 56.3065, 43.8533,
100.1046

95.0500, 100.0000,
108.9000

■ 49.5245, 34.8091,
98.7163

■ 43.7884, 27.5427,
97.6161

■ 39.0297, 21.9239,
96.7824

■ 35.1705, 17.8037,
96.1905

■ 32.1189, 15.0050,
95.8111

■ 29.7271, 13.2399,
95.5965

■ 29.7267, 13.2395,
95.5965

Harmonies

Analogous

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



67.1033, 67.7294, 114.9785



73.2471, 67.7294, 103.8203



77.1584, 67.7294, 85.2757

Triad

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



73.2471, 67.7294, 103.8203



68.2839, 67.7294, 44.4000



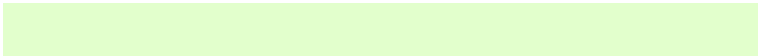
52.8188, 67.7294, 81.7238

Complementary

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



73.2471, 67.7294, 103.8203



78.0248, 92.0492, 70.7850

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.



53.0873, 67.7294, 63.3051



73.2471, 67.7294, 103.8203



61.7212, 67.7294, 43.7782

Square

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



73.2471, 67.7294, 103.8203



74.1618, 67.7294, 51.9979



56.2495, 67.7294, 50.1246



55.4890, 67.7294, 100.8425

Rectangle

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



73.2471, 67.7294, 103.8203



77.8215, 67.7294, 72.2959



56.2495, 67.7294, 50.1246



52.5737, 67.7294, 75.2149

Sweetspot

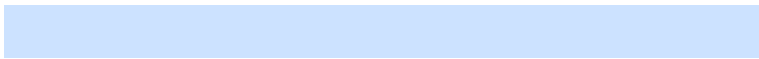
The Sweet Spot groups the original color and five complimentary colors.



73.2490, 67.7322, 103.8207



87.9752, 89.3933, 107.2256



70.1777, 74.5069, 105.2902



18.6715, 18.8971, 22.9134



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.



73.2490, 67.7322, 103.8207



69.4827, 62.3068, 102.9720



80.3415, 71.4512, 101.3208



17.9917, 17.8875, 22.7543



15.7073, 7.0079, 49.9594



1.6546, 0.7469, 4.8702

Inverse Universe

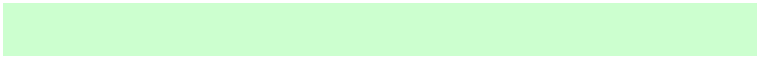
The Inverse Universe completely reimagines the original color for something new.



76.5621, 69.9394, 81.4184



73.4322, 64.9325, 76.5124



71.9754, 88.8829, 72.6540



18.3347, 18.1172, 20.3796



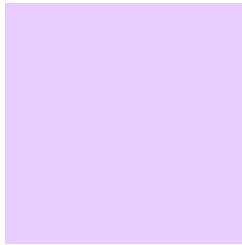
23.0909, 11.7257, 9.1293



2.3018, 1.1631, 1.1707

Previews

White Background



This preview shows how the XYZ color 73.2471, 67.7294, 103.8203 looks on a white background.

Color Contrast Check

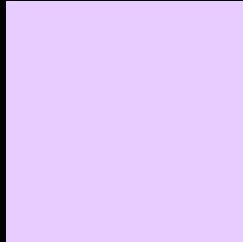
Large Text (above 18pt) WCAG AA × Fail

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 73.2471, 67.7294, 103.8203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

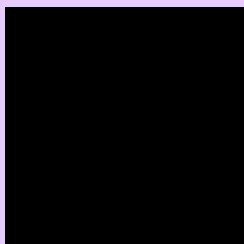
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.2471, 67.7294, 103.8203

Background



This preview shows how black text looks on a background with the XYZ color 73.2471, 67.7294, 103.8203.

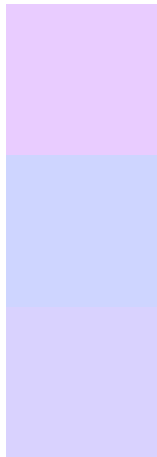


This preview shows how white text looks on a background with the XYZ color 73.2471, 67.7294,

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

73.2471, 67.7294, 103.8203

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

69.5513, 68.0007, 103.2256



Tritanopia

68.5228, 67.5859, 81.3853

Trichromacy



Original Color

73.2471, 67.7294, 103.8203

Protanomaly

69.4155, 67.9121, 104.0575

Deuteranomaly

70.8767, 67.9555, 103.1470

Tritanomaly

70.2320, 67.5631, 89.4601

Monochromacy



Original Color

73.2471, 67.7294, 103.8203

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.6495, 69.0460, 85.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2471, 67.7294, 103.8203 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(233, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 204, 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(233, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 73.2471, 67.7294, 103.8203 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(233, 204, 255) }
```


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

```
.border{ border-color:rgb(233, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2471, 67.7294, 103.8203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 204, 255) }
```

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

```
.background{ background-color: rgb(233,  
204, 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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