

Converting Colors

XYZ(81.3973, 70.2717,
149.1714)

Have a look what the booklet for
XYZ(81.3973, 70.2717, 149.1714)
contains.

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Color

**XYZ(72.7748, 66.7847,
103.6628)**

Conversions

Conversions Part 1

Format	Color
Hex	E9CAFF
RGB	233, 202, 255
RGB Percent	91%, 79%, 100%
CMY	0.0863, 0.2078, 0.0000
CMYK	0.09, 0.21, 0.00, 0.00
HSL	275°, 100%, 90%
HSV	275°, 21%, 100%
XYZ	72.7748, 66.7847, 103.6628
YIQ	217.3110, 1.4630, 23.0550

Conversions

Conversions Part 2

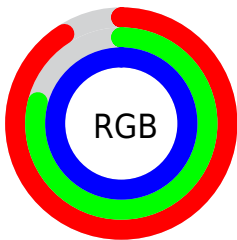
Format	Color
R _Y B	233, 202, 255
Decimal	15321855
CIE Lab	85.40, 20.37, -21.93
CIE LCh	85, 29.936, 312.892
Yxy	66.7847, 0.2992, 0.2746
Android (android.graphics.Color)	4293511935 (0xFFE9CAFF)
YUV	217.3110, 18.5807, 13.7593
Hunter-Lab	81.7219, 15.9441, -18.0030

Details

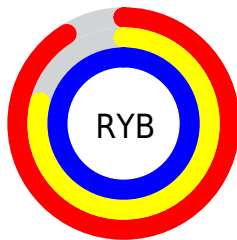
The XYZ color **72.7748, 66.7847, 103.6628** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.1627, 91.6323, 69.5002**, and the grayscale version is **66.0441, 69.4835, 75.6676**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9144, 34.6041, 58.0543** is the 20% darker color. If you saturate the color by 10%, you get **63.9267, 54.0647, 101.6740**, and if you desaturate by 10%, it is **82.8225, 81.5942, 105.9918**.

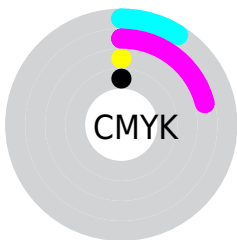
Distribution



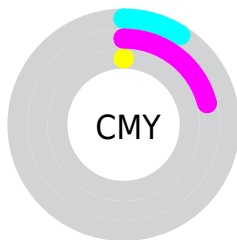
- Red (91%)
- Green (79%)
- Blue (100%)



- Red (91%)
- Yellow (79%)
- Blue (100%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7748, 66.7847, 103.6628 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 72.7748, 66.7847, 103.6628 by changing the saturation by 10% instead.

72.7748, 66.7847,
103.6628

72.7748, 66.7847,
103.6628

459.3498,
449.1780, 593.2199

54.0796, 48.9097,
78.7291

122.1623,
114.6119, 168.2773

38.8962, 34.5478,
58.1531

153.5853,
145.3328, 208.7952

26.8593, 23.3148,
41.5163

189.9816,
181.1045, 255.3449

17.6037, 14.8261,
28.4000

231.7165,
222.3113, 308.3450

10.7638, 8.6974,
18.3857

279.1554,
269.3377, 368.2140

5.9743, 4.5444,
11.0550

332.6637,

2.8700, 1.9825,

322.5680, 435.3705

5.9892

392.6067,
382.3866, 510.2329

■ 1.0854, 0.5973,
2.7698

■ 0.0128, 0.0000,
0.9783

■ 72.7748, 66.7847,
103.6628

■ 72.7748, 66.7847,
103.6628

■ 63.9267, 54.0647,
101.6740

■ 82.8225, 81.5942,
105.9918

■ 56.2205, 43.3270,
100.0075

■ 94.1129, 98.5771,
108.6747

■ 49.6017, 34.4673,
98.6463

■ 95.0500, 100.0000,
108.9000

■ 44.0087, 27.3680,
97.5708

■ 39.3731, 21.8979,
96.7593

■ 35.6166, 17.9066,
96.1869

■ 32.6463, 15.2145,
95.8238

■ 30.4719, 13.6237,
95.6313

Harmonies

Analogous

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



66.4317, 66.7847, 115.5480



72.7748, 66.7847, 103.6628



76.7772, 66.7847, 84.2694

Triad

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



72.7748, 66.7847, 103.6628



67.3919, 66.7847, 42.5387



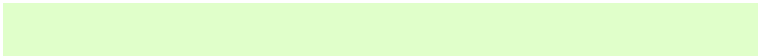
51.5921, 66.7847, 81.3740

Complementary

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



72.7748, 66.7847, 103.6628



77.1627, 91.6323, 69.5002

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.



51.8087, 66.7847, 62.2721



72.7748, 66.7847, 103.6628



60.6110, 66.7847, 42.0431

Square

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



72.7748, 66.7847, 103.6628



73.5207, 66.7847, 50.1403



55.0066, 66.7847, 48.6387



54.3921, 66.7847, 101.2204

Rectangle

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



72.7748, 66.7847, 103.6628



77.4153, 66.7847, 70.8489



55.0066, 66.7847, 48.6387



51.3207, 66.7847, 74.6180

Sweetspot

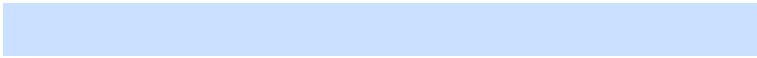
The Sweet Spot groups the original color and five complimentary colors.



72.7767, 66.7874, 103.6633



88.0638, 89.4390, 107.2297



69.0874, 73.1350, 105.0829



18.6924, 18.9079, 22.9143



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.



72.7767, 66.7874, 103.6633



68.9011, 61.1728, 102.7838



79.7088, 70.4423, 100.3188



18.0212, 17.9026, 22.7557



16.0962, 7.2084, 49.9776



1.6916, 0.7660, 4.8720

Inverse Universe

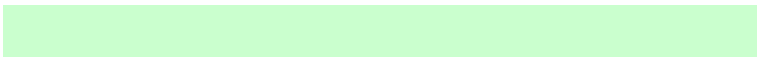
The Inverse Universe completely reimagines the original color for something new.



75.8167, 68.8854, 79.8234



72.5426, 63.6776, 74.6001



71.3104, 88.5540, 71.9954



18.3221, 18.1121, 20.3131



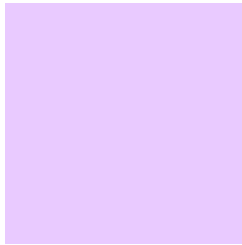
22.9742, 11.6790, 8.5146



2.2898, 1.1583, 1.1075

Previews

White Background



This preview shows how the XYZ color 72.7748, 66.7847, 103.6628 looks on a white background.

Color Contrast Check

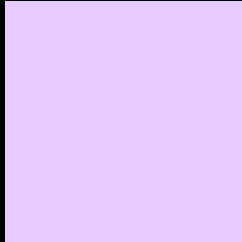
Large Text (above 18pt) WCAG AA × Fail

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 72.7748, 66.7847, 103.6628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

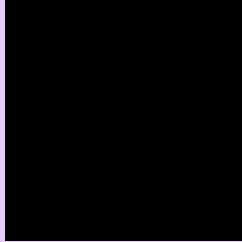
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7748, 66.7847, 103.6628

Background



This preview shows how black text looks on a background with the XYZ color 72.7748, 66.7847, 103.6628.



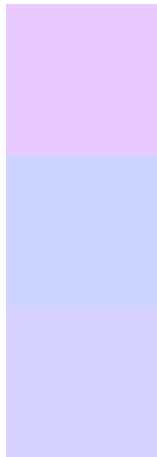
This preview shows how white text looks on a background with the XYZ color 72.7748, 66.7847,

103.6628.

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

72.7748, 66.7847, 103.6628

Protanopia

66.4953, 67.1443, 104.0632

Deuteranopia

68.7142, 67.2038, 103.1159



Tritanopia

68.0053, 66.9875, 79.8666

Trichromacy



Original Color

72.7748, 66.7847, 103.6628

Protanomaly

68.6302, 66.7788, 103.8801

Deuteranomaly

70.0849, 66.8280, 102.9711

Tritanomaly

69.6998, 66.9638, 87.8490

Monochromacy



Original Color

72.7748, 66.7847, 103.6628

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

68.3987, 68.5445, 85.2267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7748, 66.7847, 103.6628 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 202, 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, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.7748, 66.7847, 103.6628 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, 202, 255) }
```


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

```
.border{ border-color:rgb(233, 202, 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, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7748, 66.7847, 103.6628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 202, 255) }
```

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

```
.background{ background-color: rgb(233,  
202, 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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