

Converting Colors

XYZ(72.8372, 66.6268,
103.6291)

Have a look what the booklet for
XYZ(72.8372, 66.6268, 103.6291)
contains.

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Color

**XYZ(72.8683, 66.4857,
103.6002)**

Conversions

Conversions Part 1

Format	Color
Hex	EAC9FF
RGB	234, 201, 255
RGB Percent	92%, 79%, 100%
CMY	0.0823, 0.2117, 0.0000
CMYK	0.08, 0.21, 0.00, 0.00
HSL	277°, 100%, 89%
HSV	277°, 21%, 100%
XYZ	72.8683, 66.4857, 103.6002
YIQ	217.0230, 2.3340, 23.7900

Conversions

Conversions Part 2

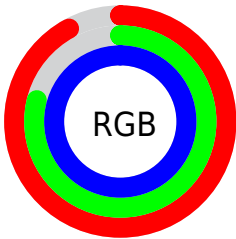
Format	Color
R_{YB}	234, 201, 255
Decimal	15387135
CIE _{Lab}	85.24, 21.22, -22.15
CIE _{LCh}	85, 30.680, 313.772
Yxy	66.4857, 0.2999, 0.2737
Android (android.graphics.Color)	4293577215 (0xFFEAC9FF)
YUV	217.0230, 18.7227, 14.8888
Hunter-Lab	81.5388, 16.8263, -18.2546

Details

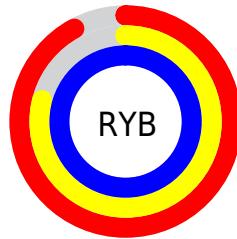
The XYZ color **72.8683, 66.4857, 103.6002** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.4284, 91.2674, 68.8497**, and the grayscale version is **65.8454, 69.2745, 75.4399**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9869, 34.4096, 58.0130** is the 20% darker color. If you saturate the color by 10%, you get **64.2454, 53.9379, 101.6327**, and if you desaturate by 10%, it is **82.6639, 81.1064, 105.9060**.

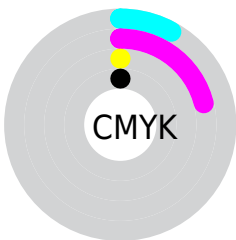
Distribution



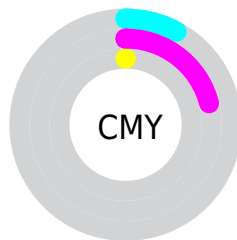
- Red (92%)
- Green (79%)
- Blue (100%)



- Red (92%)
- Yellow (79%)
- Blue (100%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8683, 66.4857, 103.6002 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 72.8683, 66.4857, 103.6002 by changing the saturation by 10% instead.

72.8683, 66.4857,
103.6002

72.8683, 66.4857,
103.6002

459.6691,
448.1119, 593.0196

54.1563, 48.6668,
78.6770

122.2944,
114.1832, 168.1908

38.9578, 34.3552,
58.1106

153.7391,
144.8305, 208.6953

26.9075, 23.1666,
41.4822

190.1588,
180.5228, 255.2307

17.6400, 14.7166,
28.3736

231.9188,
221.6444, 308.2155

10.7899, 8.6207,
18.3660

279.3845,
268.5797, 368.0683

5.9920, 4.4946,
11.0409

332.9212,

2.8808, 1.9539,

321.7131, 435.2075

5.9798

392.8943,
381.4291, 510.0518

■ 1.0911, 0.5805,
2.7642

■ 0.0176, 0.0000,
0.9755

■ 72.8683, 66.4857,
103.6002

■ 72.8683, 66.4857,
103.6002

■ 64.2454, 53.9379,
101.6327

■ 82.6639, 81.1064,
105.9060

■ 56.7380, 43.3559,
99.9858

■ 93.6748, 97.8838,
108.5640

■ 50.2921, 34.6352,
98.6423

95.0500, 100.0000,
108.9000

■ 44.8466, 27.6584,
97.5827

■ 40.3335, 22.2939,
96.7851

■ 36.6747, 18.3907,
96.2245

■ 33.7776, 15.7682,
95.8710

■ 31.7280, 14.2713,
95.6901

Harmonies

Analogous

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



66.4188, 66.4857, 116.1526



72.8683, 66.4857, 103.6002



76.8726, 66.4857, 83.5914

Triad

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



72.8683, 66.4857, 103.6002



66.9910, 66.4857, 41.5794



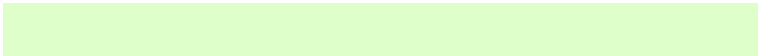
51.1118, 66.4857, 81.8635

Complementary

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



72.8683, 66.4857, 103.6002



76.4284, 91.2674, 68.8497

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.



51.2403, 66.4857, 62.2398



72.8683, 66.4857, 103.6002



60.0728, 66.4857, 41.2874

Square

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



72.8683, 66.4857, 103.6002



73.3135, 66.4857, 49.0667



54.4138, 66.4857, 48.1792



54.0489, 66.4857, 102.1375

Rectangle

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



72.8683, 66.4857, 103.6002



77.4463, 66.4857, 69.9098



54.4138, 66.4857, 48.1792



50.8049, 66.4857, 74.9315

Sweetspot

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



72.8702, 66.4884, 103.6006



88.2066, 89.5126, 107.2364



68.4205, 72.2017, 104.9379



18.7262, 18.9253, 22.9159



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.



72.8702, 66.4884, 103.6006



69.4354, 61.4482, 102.8088



79.3206, 69.9128, 99.4283



18.0687, 17.9271, 22.7579



16.7508, 7.5459, 50.0082



1.7534, 0.7978, 4.8749

Inverse Universe

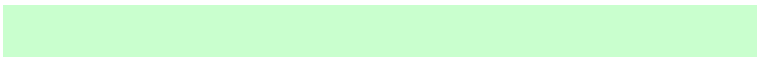
The Inverse Universe completely reimagines the original color for something new.



75.3131, 68.3098, 78.3251



72.3254, 63.5908, 73.4563



71.0386, 88.4141, 71.9721



18.3018, 18.1040, 20.2065



22.7975, 11.6083, 7.5841



2.2714, 1.1509, 1.0104

Previews

White Background



This preview shows how the XYZ color 72.8683, 66.4857, 103.6002 looks on a white background.

Color Contrast Check

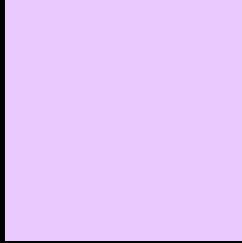
Large Text (above 18pt) WCAG AA × Fail

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 72.8683, 66.4857, 103.6002 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 72.8683, 66.4857, 103.6002

Background



This preview shows how black text looks on a background with the XYZ color 72.8683, 66.4857, 103.6002.

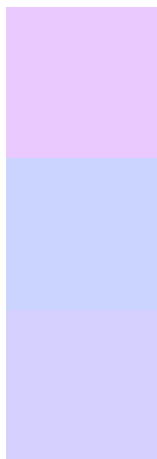


This preview shows how white text looks on a background with the XYZ color 72.8683, 66.4857,

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

72.8683, 66.4857, 103.6002

Protanopia

65.9729, 66.5050, 103.9674

Deuteranopia

68.1768, 66.5636, 103.0207



Tritanopia

67.9452, 66.6114, 79.0882

Trichromacy



Original Color

72.8683, 66.4857, 103.6002

Protanomaly

68.0944, 66.1418, 103.7854

Deuteranomaly

69.5395, 66.1906, 102.8769

Tritanomaly

69.7817, 66.6497, 87.7841

Monochromacy



Original Color

72.8683, 66.4857, 103.6002

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

68.1495, 68.0460, 85.1436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8683, 66.4857, 103.6002 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(234, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 201, 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(234, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.8683, 66.4857, 103.6002 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(234, 201, 255) }
```


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

```
.border{ border-color:rgb(234, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8683, 66.4857, 103.6002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 201, 255) }
```

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

```
.background{ background-color: rgb(234,  
201, 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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