

Converting Colors

XYZ(72.8299, 67.8700,
103.8694)

Have a look what the booklet for
XYZ(72.8299, 67.8700, 103.8694)
contains.

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Color

**XYZ(72.8363, 67.8716,
103.8694)**

Conversions

Conversions Part 1

Format	Color
Hex	E7CDFD
RGB	231, 205, 255
RGB Percent	91%, 80%, 100%
CMY	0.0941, 0.1961, 0.0000
CMYK	0.09, 0.20, 0.00, 0.00
HSL	271°, 100%, 90%
HSV	271°, 20%, 100%
XYZ	72.8363, 67.8716, 103.8694
YIQ	218.4740, -0.5540, 21.0620

Conversions

Conversions Part 2

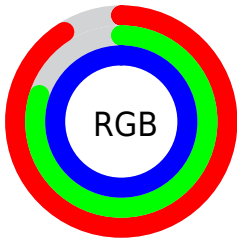
Format	Color
R _Y B	231, 205, 255
Decimal	15191551
CIE Lab	85.94, 18.15, -21.12
CIE LCh	86, 27.844, 310.668
Yxy	67.8716, 0.2978, 0.2775
Android (android.graphics.Color)	4293381631 (0xFFE7CFFF)
YUV	218.4740, 18.0073, 10.9853
Hunter-Lab	82.3842, 13.6403, -17.0834

Details

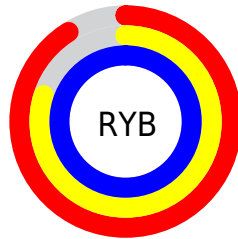
The XYZ color **72.8363, 67.8716, 103.8694** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.0942, 92.5866, 71.4632**, and the grayscale version is **66.8492, 70.3306, 76.5900**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9388, 35.3244, 58.1921** is the 20% darker color. If you saturate the color by 10%, you get **63.4133, 54.6862, 101.8210**, and if you desaturate by 10%, it is **83.5334, 83.1930, 106.2629**.

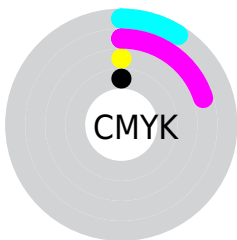
Distribution



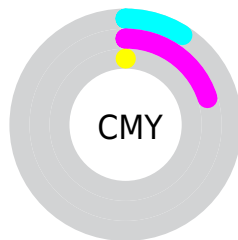
- Red (91%)
- Green (80%)
- Blue (100%)



- 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 72.8363, 67.8716, 103.8694 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 72.8363, 67.8716, 103.8694 by changing the saturation by 10% instead.

72.8363, 67.8716,
103.8694

72.8363, 67.8716,
103.8694

459.5598,
453.0410, 593.8807

54.1300, 49.7933,
78.9011

122.2492,
116.1684, 168.5626

38.9367, 35.2492,
58.2937

153.6865,
147.1557, 209.1247

26.8910, 23.8549,
41.6285

190.0982,
183.2148, 255.7217

17.6275, 15.2260,
28.4871

231.8496,
224.7301, 308.7722

10.7810, 8.9782,
18.4510

279.3061,
272.0860, 368.6949

5.9860, 4.7269,
11.1015

332.8331,

2.8771, 2.0880,

325.6668, 435.9081

6.0201

392.7959,
385.8570, 510.8306

■ 1.0891, 0.6578,
2.7883

■ 0.0160, 0.0000,
0.9876

■ 72.8363, 67.8716,
103.8694

■ 72.8363, 67.8716,
103.8694

■ 63.4133, 54.6862,
101.8210

■ 83.5334, 83.1930,
106.2629

■ 55.2051, 43.5295,
100.1001

95.0500, 100.0000,
108.9000

■ 48.1556, 34.2970,
98.6897

■ 42.2018, 26.8716,
97.5702

■ 37.2738, 21.1226,
96.7203

■ 33.2924, 16.9010,
96.1153

■ 30.1642, 14.0302,
95.7260

■ 27.7464, 12.2349,
95.5069

■ 27.6594, 12.1738,
95.4997

Harmonies

Analogous

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



66.8069, 67.8716, 114.0672



72.8363, 67.8716, 103.8694



76.7877, 67.8716, 86.1476

Triad

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



72.8363, 67.8716, 103.8694



68.6553, 67.8716, 45.4666



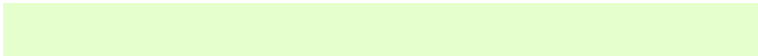
53.1933, 67.8716, 80.5949

Complementary

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



72.8363, 67.8716, 103.8694



79.0942, 92.5866, 71.4632

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.



53.6161, 67.8716, 62.8731



72.8363, 67.8716, 103.8694



62.2662, 67.8716, 44.4805

Square

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



72.8363, 67.8716, 103.8694



74.2659, 67.8716, 53.2943



56.8436, 67.8716, 50.3339



55.6481, 67.8716, 99.2328

Rectangle

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



72.8363, 67.8716, 103.8694



77.5659, 67.8716, 73.4918



56.8436, 67.8716, 50.3339



53.0079, 67.8716, 74.3110

Sweetspot

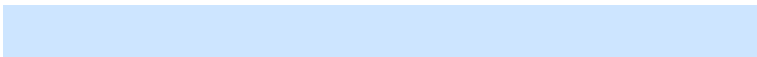
The Sweet Spot groups the original color and five complimentary colors.



72.8382, 67.8744, 103.8698



87.7113, 89.2573, 107.2132



71.2945, 76.3323, 105.5837



18.6091, 18.8650, 22.9105



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.



72.8382, 67.8744, 103.8698



68.5433, 61.8225, 102.9281



80.9887, 72.0916, 103.5525



17.9042, 17.8424, 22.7502



14.6262, 6.4506, 49.9088



1.5503, 0.6931, 4.8653

Inverse Universe

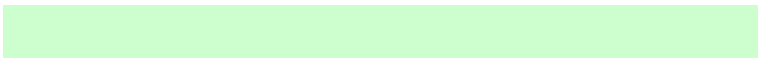
The Inverse Universe completely reimagines the original color for something new.



77.2159, 70.5825, 83.6852



73.8304, 65.0919, 78.6097



72.0592, 88.9483, 71.6605



18.3725, 18.1323, 20.5790



23.4719, 11.8781, 11.1355



2.3402, 1.1785, 1.3730

Previews

White Background



This preview shows how the XYZ color 72.8363, 67.8716, 103.8694 looks on a white background.

Color Contrast Check

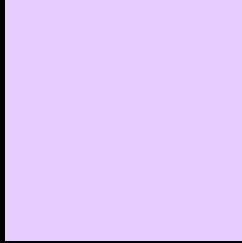
Large Text (above 18pt) WCAG AA × Fail

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 72.8363, 67.8716, 103.8694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

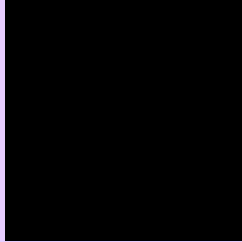
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8363, 67.8716, 103.8694

Background



This preview shows how black text looks on a background with the XYZ color 72.8363, 67.8716, 103.8694.

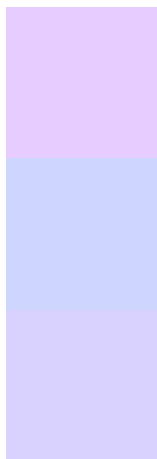


This preview shows how white text looks on a background with the XYZ color 72.8363, 67.8716,

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

72.8363, 67.8716, 103.8694

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

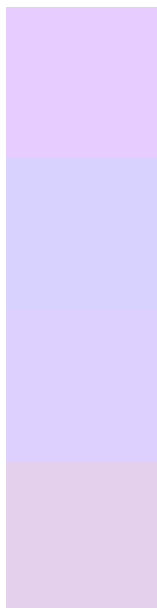
69.5513, 68.0007, 103.2256



Tritanopia

68.2758, 67.8080, 82.1628

Trichromacy



Original Color

72.8363, 67.8716, 103.8694

Protanomaly

69.1209, 67.7603, 104.0437

Deuteranomaly

70.5695, 67.7971, 103.1327

Tritanomaly

69.8368, 67.7202, 89.5113

Monochromacy



Original Color

72.8363, 67.8716, 103.8694

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 72.8363, 67.8716, 103.8694 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(231, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 205, 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(231, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.8363, 67.8716, 103.8694 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(231, 205, 255) }
```


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

```
.border{ border-color:rgb(231, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8363, 67.8716, 103.8694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 205, 255) }
```

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

```
.background{ background-color: rgb(231,  
205, 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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