

Converting Colors

XYZ(85.9710, 72.6649,
165.8237)

Have a look what the booklet for
XYZ(85.9710, 72.6649, 165.8237)
contains.

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Color

**XYZ(73.9980, 67.7647,
103.7875)**

Conversions

Conversions Part 1

Format	Color
Hex	ECCBFF
RGB	236, 203, 255
RGB Percent	93%, 80%, 100%
CMY	0.0745, 0.2039, 0.0000
CMYK	0.07, 0.20, 0.00, 0.00
HSL	278°, 100%, 90%
HSV	278°, 20%, 100%
XYZ	73.9980, 67.7647, 103.7875
YIQ	218.7950, 2.9760, 23.1680

Conversions

Conversions Part 2

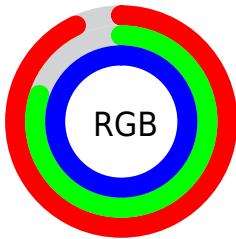
Format	Color
R _Y B	236, 203, 255
Decimal	15518719
CIE Lab	85.89, 20.80, -21.16
CIE LCh	86, 29.668, 314.503
Yxy	67.7647, 0.3014, 0.2760
Android (android.graphics.Color)	4293708799 (0xFFECCBFF)
YUV	218.7950, 17.8491, 15.0888
Hunter-Lab	82.3193, 16.3974, -17.1288

Details

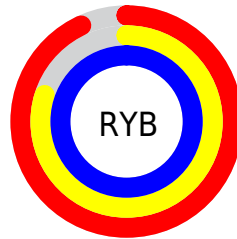
The XYZ color **73.9980, 67.7647, 103.7875** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.6652, 91.3621, 70.0971**, and the grayscale version is **67.0704, 70.5633, 76.8434**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7629, 35.2754, 58.1392** is the 20% darker color. If you saturate the color by 10%, you get **65.4513, 55.1439, 101.8019**, and if you desaturate by 10%, it is **83.7002, 82.4551, 106.1117**.

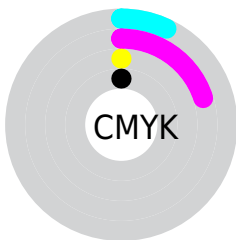
Distribution



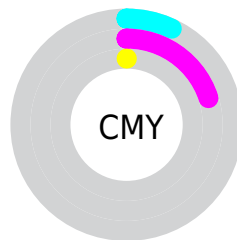
- Red (93%)
- Green (80%)
- Blue (100%)



- Red (93%)
- Yellow (80%)
- Blue (100%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9980, 67.7647, 103.7875 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 73.9980, 67.7647, 103.7875 by changing the saturation by 10% instead.

73.9980, 67.7647,
103.7875

73.9980, 67.7647,
103.7875

463.5169,
452.6619, 593.6188

55.0837, 49.7063,
78.8329

123.8885,
116.0155, 168.4495

39.7028, 35.1801,
58.2380

155.5954,
146.9767, 208.9941

27.4901, 23.8017,
41.5840

192.2971,
183.0076, 255.5723

18.0801, 15.1866,
28.4526

234.3592,
224.4926, 308.6029

11.1076, 8.9504,
18.4251

282.1468,
271.8162, 368.5043

6.2071, 4.7089,
11.0830

336.0254,

3.0132, 2.0775,

325.3626, 435.6950

6.0078

396.3603,
385.5164, 510.5937

■ 1.1608, 0.6519,
2.7810

■ 0.0751, 0.0000,
0.9839

■ 73.9980, 67.7647,
103.7875

■ 73.9980, 67.7647,
103.7875

■ 65.4513, 55.1439,
101.8019

■ 83.7002, 82.4551,
106.1117

■ 58.0038, 44.4862,
100.1373

94.5998, 99.2980,
108.7882

■ 51.6022, 35.6884,
98.7766

95.0500, 100.0000,
108.9000

■ 46.1866, 28.6340,
97.7004

■ 41.6901, 23.1931,
96.8871

■ 38.0362, 19.2168,
96.3122

■ 35.1342, 16.5277,
95.9461

■ 32.9154, 14.8834,
95.7457

Harmonies

Analogous

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



67.7328, 67.7647, 116.2169



73.9980, 67.7647, 103.7875



77.8236, 67.7647, 84.2305

Triad

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



73.9980, 67.7647, 103.7875



67.9594, 67.7647, 43.3046



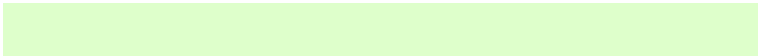
52.5794, 67.7647, 83.5475

Complementary

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



73.9980, 67.7647, 103.7875



76.6652, 91.3621, 70.0971

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.



52.6307, 67.7647, 64.2395



73.9980, 67.7647, 103.7875



61.1944, 67.7647, 43.1869

Square

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



73.9980, 67.7647, 103.7875



74.1739, 67.7647, 50.5601



55.6851, 67.7647, 50.2042



55.5398, 67.7647, 103.2124

Rectangle

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



73.9980, 67.7647, 103.7875



78.3174, 67.7647, 70.8882



55.6851, 67.7647, 50.2042



52.2520, 67.7647, 76.7581

Sweetspot

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



73.9999, 67.7675, 103.7880



88.3350, 89.5788, 107.2424



68.8198, 72.1969, 104.9159



18.7566, 18.9410, 22.9174



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.



73.9999, 67.7675, 103.7880



70.7837, 62.9775, 103.0329



79.5509, 70.7558, 98.3262



18.1114, 17.9492, 22.7599



17.3688, 7.8644, 50.0371



1.8113, 0.8277, 4.8776

Inverse Universe

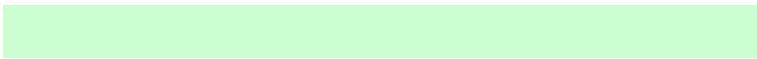
The Inverse Universe completely reimagines the original color for something new.



75.7824, 69.2484, 78.4815



72.9028, 64.7208, 73.7251



72.0151, 88.8673, 74.2896



18.2837, 18.0968, 20.1111



22.6505, 11.5495, 6.8098



2.2557, 1.1447, 0.9281

Previews

White Background



This preview shows how the XYZ color 73.9980, 67.7647, 103.7875 looks on a white background.

Color Contrast Check

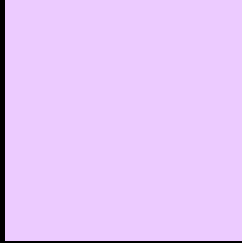
Large Text (above 18pt) WCAG AA × Fail

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 73.9980, 67.7647, 103.7875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

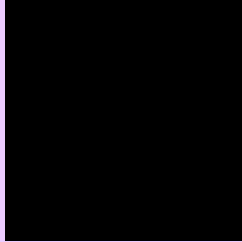
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.9980, 67.7647, 103.7875

Background



This preview shows how black text looks on a background with the XYZ color 73.9980, 67.7647, 103.7875.

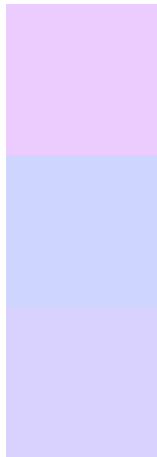


This preview shows how white text looks on a background with the XYZ color 73.9980, 67.7647,

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

73.9980, 67.7647, 103.7875

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

69.5513, 68.0007, 103.2256



Tritanopia

69.1015, 67.5369, 80.6281

Trichromacy



Original Color

73.9980, 67.7647, 103.7875

Protanomaly

69.4657, 67.5726, 103.9893

Deuteranomaly

70.9427, 67.6287, 103.0805

Tritanomaly

70.8159, 67.5224, 88.6576

Monochromacy



Original Color

73.9980, 67.7647, 103.7875

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

69.4111, 69.4222, 86.0854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9980, 67.7647, 103.7875 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(236, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 203, 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(236, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 73.9980, 67.7647, 103.7875 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(236, 203, 255) }
```


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

```
.border{ border-color:rgb(236, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9980, 67.7647, 103.7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 203, 255) }
```

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

```
.background{ background-color: rgb(236,  
203, 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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