

Converting Colors

XYZ(96.6256, 80.9817, 87.4348)

Have a look what the booklet for
XYZ(96.6256, 80.9817, 87.4348)
contains.

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Color

**XYZ(78.0193, 71.2858,
86.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEE9
RGB	255, 206, 233
RGB Percent	100%, 81%, 91%
CMY	0.0000, 0.1921, 0.0863
CMYK	0.00, 0.19, 0.09, 0.00
HSL	327°, 100%, 90%
HSV	327°, 19%, 100%
XYZ	78.0193, 71.2858, 86.7383
YIQ	223.7290, 20.5370, 18.7850

Conversions

Conversions Part 2

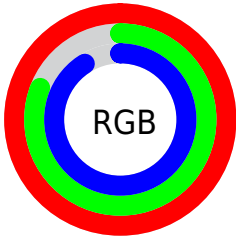
Format	Color
R_{YB}	255, 206, 233
Decimal	16764649
CIE _{Lab}	87.62, 21.50, -6.74
CIE _{LCh}	88, 22.535, 342.596
Yxy	71.2858, 0.3305, 0.3020
Android (android.graphics.Color)	4294954729 (0xFFFFCEE9)
YUV	223.7290, 4.5706, 27.4247
Hunter-Lab	84.4309, 17.1907, -1.8087

Details

The XYZ color **78.0193, 71.2858, 86.7383** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.2195, 90.2443, 86.8565**, and the grayscale version is **70.6178, 74.2954, 80.9077**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2911, 37.3133, 46.5682** is the 20% darker color. If you saturate the color by 10%, you get **70.7884, 59.3571, 76.5188**, and if you desaturate by 10%, it is **86.3554, 85.2545, 97.8518**.

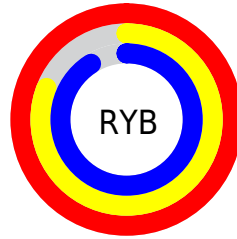
Distribution



Red (100%)

Green (81%)

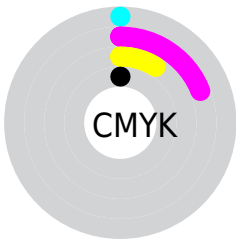
Blue (91%)



Red (100%)

Yellow (81%)

Blue (91%)

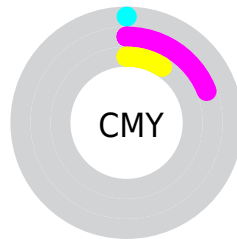


Cyan (0%)

Magenta (19%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0193, 71.2858, 86.7383 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 78.0193, 71.2858, 86.7383 by changing the saturation by 10% instead.


 78.0193, 71.2858,
86.7383

 78.0193, 71.2858,
86.7383


477.0712,
465.0519, 537.6564

 58.3927, 52.5755,
64.7203

129.5426,
121.0406, 144.6950

 42.3689, 37.4640,
46.7844


162.1699,
152.8538, 181.4707

 29.5826, 25.5669,
32.5121


199.8615,
189.8035, 224.0027

 19.6685, 16.4999,
21.4849

242.9827,
232.2739, 272.7096

 12.2612, 9.8786,
13.2842

291.8990,
280.6496, 328.0099

 6.9953, 5.3185,
7.4915

346.9756,

 3.5054, 2.4354,

335.3149, 390.3221

3.6883

408.5778,
396.6542, 460.0647

■ 1.4263, 0.8440,
1.4559

■ 0.2749, 0.0000,
0.1848

■ 78.0193, 71.2858,
86.7383

■ 78.0193, 71.2858,
86.7383

■ 70.7884, 59.3571,
76.5188

■ 86.3554, 85.2545,
97.8518

■ 64.6079, 49.3629,
67.1623

95.0500, 100.0000,
108.9000

■ 59.4256, 41.2015,
58.6421

■ 55.1823, 34.7584,
50.9282

■ 51.8125, 29.9058,
43.9879

■ 49.2417, 26.4981,
37.7852

■ 47.3813, 24.3623,
32.2789

■ 46.0996, 23.2387,
27.4131

■ 46.0109, 23.1683,
27.0530

Harmonies

Analogous

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



74.9357, 71.2858, 101.3080



78.0193, 71.2858, 86.7383



78.2641, 71.2858, 71.3877

Triad

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



78.0193, 71.2858, 86.7383



65.5431, 71.2858, 52.3387



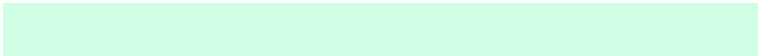
60.4827, 71.2858, 99.2417

Complementary

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



78.0193, 71.2858, 86.7383



75.2195, 90.2443, 86.8565

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.



58.2314, 71.2858, 84.2009



78.0193, 71.2858, 86.7383



61.0484, 71.2858, 57.9431

Square

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



78.0193, 71.2858, 86.7383



70.8689, 71.2858, 52.8305



58.4329, 71.2858, 69.1607



64.7337, 71.2858, 109.1517

Rectangle

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



78.0193, 71.2858, 86.7383



76.7672, 71.2858, 62.8469



58.4329, 71.2858, 69.1607



59.4773, 71.2858, 94.5395

Sweetspot

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



78.0209, 71.2887, 86.7398



89.2753, 90.1891, 101.6158



71.8760, 67.7349, 103.8936



18.9795, 19.0857, 21.5846



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.



78.0209, 71.2887, 86.7398



75.1552, 66.5364, 82.7660



74.8551, 70.0224, 70.0688



18.4283, 18.1546, 20.8723



24.1181, 12.1365, 14.5380



2.4034, 1.2037, 1.7056

Inverse Universe

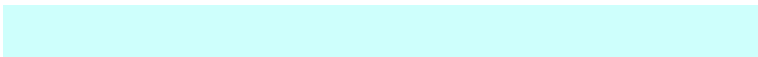
The Inverse Universe completely reimagines the original color for something new.



78.0209, 71.2887, 86.7398



75.1552, 66.5364, 82.7660



78.7438, 91.6541, 105.4151



18.4283, 18.1546, 20.8723



24.1181, 12.1365, 14.5380



2.4034, 1.2037, 1.7056

Previews

White Background



This preview shows how the XYZ color 78.0193, 71.2858, 86.7383 looks on a white background.

Color Contrast Check

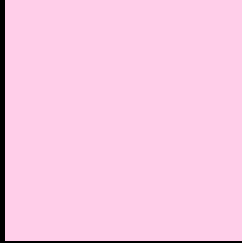
Large Text (above 18pt) WCAG AA × Fail

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 78.0193, 71.2858, 86.7383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

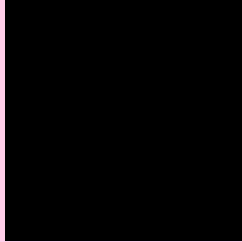
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.0193, 71.2858, 86.7383

Background



This preview shows how black text looks on a background with the XYZ color 78.0193, 71.2858, 86.7383.



This preview shows how white text looks on a background with the XYZ color 78.0193, 71.2858,

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

78.0193, 71.2858, 86.7383

Protanopia

69.8620, 71.3991, 93.3184

Deuteranopia

72.9518, 71.2476, 86.2511



Tritanopia

76.8835, 71.5644, 80.2821

Trichromacy



Original Color

78.0193, 71.2858, 86.7383

Protanomaly

72.4342, 71.2551, 90.8248

Deuteranomaly

74.5742, 70.9741, 86.1128

Tritanomaly

77.0510, 71.2425, 82.3632

Monochromacy



Original Color

78.0193, 71.2858, 86.7383

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

72.9389, 72.8339, 82.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0193, 71.2858, 86.7383 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(255, 206, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 233)  
}
```

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(255, 206, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 233) }
```

Border

The CSS property to change the border of an element to XYZ 78.0193, 71.2858, 86.7383 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(255, 206, 233) }
```


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

```
.border{ border-color:rgb(255, 206, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0193, 71.2858, 86.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 233) }
```

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

```
.background{ background-color: rgb(255,  
206, 233) }
```

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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