

Converting Colors

XYZ(77.7454, 70.7511, 86.6064)

Have a look what the booklet for
XYZ(77.7454, 70.7511, 86.6064)
contains.

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Color

**XYZ(77.7793, 70.8058,
86.6583)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDE9
RGB	255, 205, 233
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.1961, 0.0863
CMYK	0.00, 0.20, 0.09, 0.00
HSL	326°, 100%, 90%
HSV	326°, 20%, 100%
XYZ	77.7793, 70.8058, 86.6583
YIQ	223.1420, 20.8120, 19.3080

Conversions

Conversions Part 2

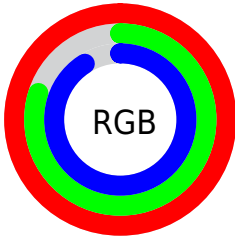
Format	Color
R _{YB}	255, 205, 233
Decimal	16764393
CIE Lab	87.39, 22.03, -7.09
CIE LCh	87, 23.139, 342.170
Yxy	70.8058, 0.3306, 0.3010
Android (android.graphics.Color)	4294954473 (0xFFFFCDE9)
YUV	223.1420, 4.8600, 27.9395
Hunter-Lab	84.1462, 17.7381, -2.1577

Details

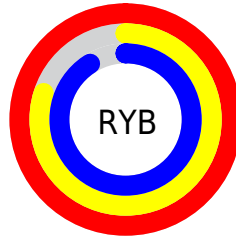
The XYZ color **77.7793, 70.8058, 86.6583** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.8042, 90.0463, 86.1144**, and the grayscale version is **70.1978, 73.8535, 80.4265**.

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 **70.6171, 58.9655, 76.6128**, and if you desaturate by 10%, it is **86.0407, 84.6807, 97.5750**.

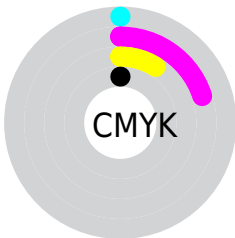
Distribution



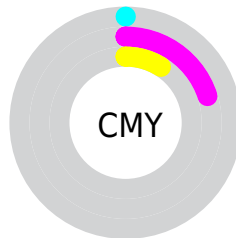
- Red (100%)
- Green (80%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (20%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7793, 70.8058, 86.6583 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 77.7793, 70.8058, 86.6583 by changing the saturation by 10% instead.


 77.7793, 70.8058,
86.6583

 77.7793, 70.8058,
86.6583


476.2683,
463.3743, 537.3864

 58.1949, 52.1837,
64.6545


129.2060,
120.3572, 144.5824

 42.2092, 37.1515,
46.7314


161.7789,
152.0553, 181.3398

 29.4569, 25.3248,
32.4705

199.4120,
188.8808, 223.8521

 19.5728, 16.3192,
21.4534

242.4707,
231.2182, 272.5379

 12.1913, 9.7503,
13.2613

291.3204,
279.4519, 327.8157

 6.9472, 5.2337,
7.4759

346.3263,

 3.4752, 2.3851,

333.9662, 390.1040

3.6785

407.8538,
395.1455, 459.8214

■ 1.4097, 0.8182,
1.4507

■ 0.2631, 0.0000,
0.1808

■ 77.7793, 70.8058,
86.6583

■ 77.7793, 70.8058,
86.6583

■ 70.6171, 58.9655,
76.6128

■ 86.0407, 84.6807,
97.5750

■ 64.4994, 49.0543,
67.4082

95.0500, 100.0000,
108.9000

■ 59.3736, 40.9700,
59.0184

■ 55.1808, 34.5976,
51.4139

■ 51.8551, 29.8091,
44.5625

■ 49.3217, 26.4579,
38.4289

■ 47.4916, 24.3698,
32.9726

■ 46.2268, 23.2722,
28.1362

■ 46.1823, 23.2369,
27.9559

Harmonies

Analogous

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



74.5842, 70.8058, 101.5556



77.7793, 70.8058, 86.6583



78.0748, 70.8058, 70.9383

Triad

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



77.7793, 70.8058, 86.6583



65.1131, 70.8058, 51.3148



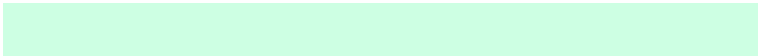
59.8246, 70.8058, 99.0570

Complementary

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



77.7793, 70.8058, 86.6583



74.8042, 90.0463, 86.1144

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.



57.5630, 70.8058, 83.5990



77.7793, 70.8058, 86.6583



60.5039, 70.8058, 56.9167

Square

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



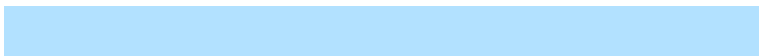
77.7793, 70.8058, 86.6583



70.5599, 70.8058, 51.9020



57.8048, 70.8058, 68.2634



64.1398, 70.8058, 109.3520

Rectangle

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



77.7793, 70.8058, 86.6583



76.5678, 70.8058, 62.1904



57.8048, 70.8058, 68.2634



58.8097, 70.8058, 94.2099

Sweetspot

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



77.7809, 70.8087, 86.6598



89.2967, 90.1976, 101.7282



71.4573, 67.1627, 103.8052



18.9845, 19.0877, 21.6111



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.



77.7809, 70.8087, 86.6598



74.5007, 65.3600, 82.1393



74.4996, 69.4962, 69.3808



18.4353, 18.1574, 20.9096



24.2077, 12.1724, 15.0099



2.4120, 1.2072, 1.7509

Inverse Universe

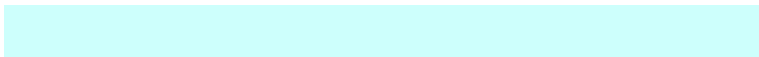
The Inverse Universe completely reimagines the original color for something new.



77.7809, 70.8087, 86.6598



74.5007, 65.3600, 82.1393



78.4564, 91.5072, 105.3466



18.4353, 18.1574, 20.9096



24.2077, 12.1724, 15.0099



2.4120, 1.2072, 1.7509

Previews

White Background



This preview shows how the XYZ color 77.7793, 70.8058, 86.6583 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 77.7793, 70.8058, 86.6583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

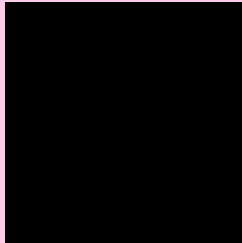
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7793, 70.8058, 86.6583

Background



This preview shows how black text looks on a background with the XYZ color 77.7793, 70.8058, 86.6583.



This preview shows how white text looks on a background with the XYZ color 77.7793, 70.8058,

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

77.7793, 70.8058, 86.6583

Protanopia

69.5639, 71.2454, 93.3044

Deuteranopia

72.6207, 71.0769, 86.2356



Tritanopia

76.5052, 71.0242, 79.4888

Trichromacy



Original Color

77.7793, 70.8058, 86.6583

Protanomaly

72.1819, 70.7505, 90.7407

Deuteranomaly

74.2300, 70.7966, 86.0967

Tritanomaly

76.8095, 70.7595, 82.2827

Monochromacy



Original Color

77.7793, 70.8058, 86.6583

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

72.6819, 72.3200, 82.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7793, 70.8058, 86.6583 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, 205, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.7793, 70.8058, 86.6583 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, 205, 233) }
```


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

```
.border{ border-color:rgb(255, 205, 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, 205, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7793, 70.8058, 86.6583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 233) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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