

Converting Colors

XYZ(77.4036, 70.2740, 85.8559)

Have a look what the booklet for
XYZ(77.4036, 70.2740, 85.8559)
contains.

XYZ(77.3984, 70.2719, 85.8284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.3984, 70.2719,
85.8284)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE8
RGB	255, 204, 232
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.2000, 0.0902
CMYK	0.00, 0.20, 0.09, 0.00
HSL	327°, 100%, 90%
HSV	327°, 20%, 100%
XYZ	77.3984, 70.2719, 85.8284
YIQ	222.4410, 21.4080, 19.5200

Conversions

Conversions Part 2

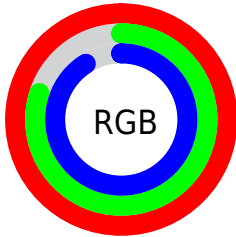
Format	Color
R_{YB}	255, 204, 232
Decimal	16764136
CIE _{Lab}	87.13, 22.39, -6.94
CIE _{LCh}	87, 23.437, 342.774
Yxy	70.2719, 0.3315, 0.3010
Android (android.graphics.Color)	4294954216 (0xFFFFCCE8)
YUV	222.4410, 4.7126, 28.5542
Hunter-Lab	83.8283, 18.1088, -2.0248

Details

The XYZ color **77.3984, 70.2719, 85.8284** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.5292, 89.9045, 86.1015**, and the grayscale version is **69.7014, 73.3313, 79.8578**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0315, 36.9530, 45.9916** is the 20% darker color. If you saturate the color by 10%, you get **70.2459, 58.4963, 75.6469**, and if you desaturate by 10%, it is **85.6531, 84.0804, 96.9067**.

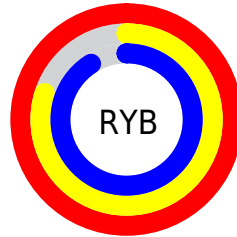
Distribution



Red (100%)

Green (80%)

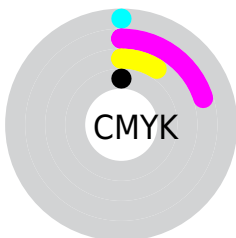
Blue (91%)



Red (100%)

Yellow (80%)

Blue (91%)

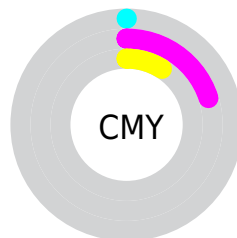


Cyan (0%)

Magenta (20%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3984, 70.2719, 85.8284 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 77.3984, 70.2719, 85.8284 by changing the saturation by 10% instead.

77.3984, 70.2719,
85.8284

77.3984, 70.2719,
85.8284

474.9924,
461.5041, 534.5811

57.8810, 51.7482,
63.9720

128.6716,
119.5964, 143.4144

41.9559, 36.8044,
46.1820

161.1580,
151.1661, 179.9811

29.2577, 25.0561,
32.0397

198.6982,
187.8532, 222.2884

19.4211, 16.1189,
21.1268

241.6575,
230.0421, 270.7546

12.0808, 9.6083,
13.0246

290.4012,
278.1173, 325.7985

6.8713, 5.1400,
7.3145

345.2947,

3.4274, 2.3297,

332.4630, 387.8385

3.5782

406.7033,
393.4639, 457.2932

■ 1.3836, 0.7893,
1.3969

■ 0.2445, 0.0000,
0.1393

■ 77.3984, 70.2719,
85.8284

■ 77.3984, 70.2719,
85.8284

■ 70.2459, 58.4963,
75.6469

■ 85.6531, 84.0804,
96.9067

■ 64.1408, 48.6478,
66.3310

95.0500, 100.0000,
108.9000

■ 59.0302, 40.6239,
57.8537

■ 54.8547, 34.3090,
50.1847

■ 51.5481, 29.5743,
43.2909

■ 49.0347, 26.2724,
37.1357

■ 47.2249, 24.2276,
31.6774

■ 45.9734, 23.1535,
26.8554

■ 45.9731, 23.1533,
26.8543

Harmonies

Analogous

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



74.2255, 70.2719, 100.9408



77.3984, 70.2719, 85.8284



77.6330, 70.2719, 70.0177

Triad

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



77.3984, 70.2719, 85.8284



64.4827, 70.2719, 50.6380



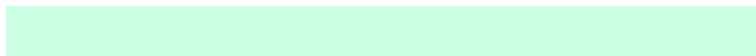
59.3330, 70.2719, 98.9547

Complementary

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



77.3984, 70.2719, 85.8284



74.5292, 89.9045, 86.1015

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.



57.0092, 70.2719, 83.4005



77.3984, 70.2719, 85.8284



59.8709, 70.2719, 56.3849

Square

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



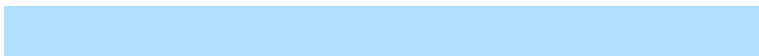
77.3984, 70.2719, 85.8284



69.9690, 70.2719, 51.1014



57.2005, 70.2719, 67.8994



63.7114, 70.2719, 109.2031

Rectangle

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



77.3984, 70.2719, 85.8284



76.0735, 70.2719, 61.2770



57.2005, 70.2719, 67.8994



58.2967, 70.2719, 94.0885

Sweetspot

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



77.3999, 70.2748, 85.8299



89.2706, 90.1872, 101.5908



71.3080, 66.7318, 103.7299



18.9784, 19.0852, 21.5786



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.



77.3999, 70.2748, 85.8299



74.4075, 65.3227, 81.6485



74.0425, 68.9318, 68.1497



18.4267, 18.1540, 20.8640



24.0983, 12.1286, 14.4342



2.4015, 1.2030, 1.6956

Inverse Universe

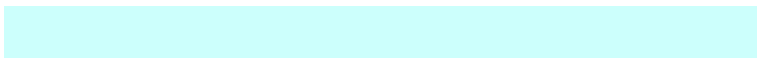
The Inverse Universe completely reimagines the original color for something new.



77.3999, 70.2748, 85.8299



74.4075, 65.3227, 81.6485



78.3056, 91.4151, 105.9878



18.4267, 18.1540, 20.8640



24.0983, 12.1286, 14.4342



2.4015, 1.2030, 1.6956

Previews

White Background



This preview shows how the XYZ color 77.3984, 70.2719, 85.8284 looks on a white background.

Color Contrast Check

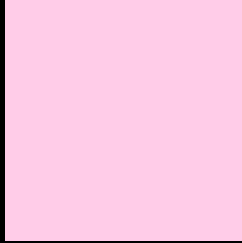
Large Text (above 18pt) WCAG AA × Fail

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 77.3984, 70.2719, 85.8284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

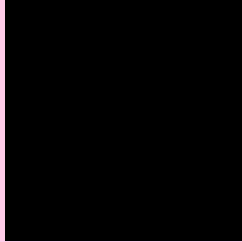
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.3984, 70.2719, 85.8284

Background



This preview shows how black text looks on a background with the XYZ color 77.3984, 70.2719, 85.8284.



This preview shows how white text looks on a background with the XYZ color 77.3984, 70.2719,

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

77.3984, 70.2719, 85.8284

Protanopia

68.8599, 70.5159, 92.4197

Deuteranopia

71.7581, 70.2926, 84.6487



Tritanopia

76.1292, 70.4874, 78.7002

Trichromacy



Original Color

77.3984, 70.2719, 85.8284

Protanomaly

71.4627, 70.0244, 89.8703

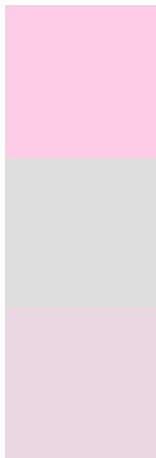
Deuteranomaly

73.8422, 70.2477, 85.2686

Tritanomaly

76.4318, 70.2245, 81.4778

Monochromacy



Original Color

77.3984, 70.2719, 85.8284

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

71.9596, 71.5843, 81.9760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3984, 70.2719, 85.8284 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, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 232)  
}
```

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, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.3984, 70.2719, 85.8284 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, 204, 232) }
```


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

```
.border{ border-color:rgb(255, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3984, 70.2719, 85.8284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 232) }
```

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

```
.background{ background-color: rgb(255,  
204, 232) }
```

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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