

Converting Colors

XYZ(84.6587, 80.3578,
101.9206)

Have a look what the booklet for
XYZ(84.6587, 80.3578, 101.9206)
contains.

XYZ(84.7739, 80.4676, 102.3305)	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(84.7739, 80.4676,
102.3305)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEFB
RGB	255, 222, 251
RGB Percent	100%, 87%, 98%
CMY	0.0000, 0.1294, 0.0157
CMYK	0.00, 0.13, 0.02, 0.00
HSL	307°, 100%, 94%
HSV	307°, 13%, 100%
XYZ	84.7739, 80.4676, 102.3305
YIQ	235.1730, 10.3590, 16.0150

Conversions

Conversions Part 2

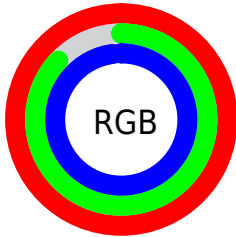
Format	Color
R _Y B	255, 222, 251
Decimal	16768763
CIE Lab	91.89, 16.23, -9.88
CIE LCh	92, 19.004, 328.674
Yxy	80.4676, 0.3168, 0.3007
Android (android.graphics.Color)	4294958843 (0xFFFFDEFB)
YUV	235.1730, 7.8027, 17.3883
Hunter-Lab	89.7037, 11.7087, -4.8431

Details

The XYZ color **84.7739, 80.4676, 102.3305** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.6141, 92.5417, 85.6209**, and the grayscale version is **79.0359, 83.1519, 90.5525**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8450, 43.5382, 56.9737** is the 20% darker color. If you saturate the color by 10%, you get **78.0237, 67.7402, 97.6975**, and if you desaturate by 10%, it is **92.5598, 95.2530, 107.3502**.

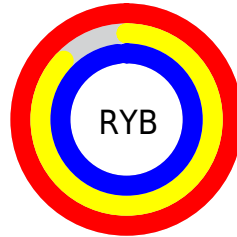
Distribution



Red (100%)

Green (87%)

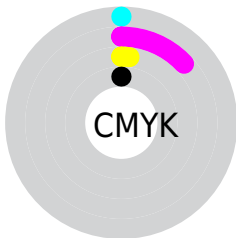
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

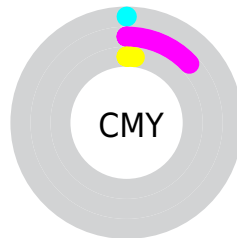


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7739, 80.4676, 102.3305 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 84.7739, 80.4676, 102.3305 by changing the saturation by 10% instead.

84.7739, 80.4676,
102.3305

84.7739, 80.4676,
102.3305

499.3746,
496.5073, 588.9493

63.9764, 60.1032,
77.6206

138.9729,
134.0230, 166.4359

46.8932, 43.5018,
57.2477

173.1051,
167.9827, 206.6684

33.1588, 30.2791,
40.7935

212.4130,
207.2431, 252.9122

22.4080, 20.0505,
27.8393

257.2619,
252.1884, 305.5858

14.2753, 12.4318,
17.9665

308.0172,
303.2031, 365.1078

8.3953, 7.0384,
10.7568

365.0441,

4.4029, 3.4862,

360.6715, 431.8967

5.7914

428.7081,
424.9781, 506.3710

■ 1.9325, 1.3905,
2.6519

■ 0.5956, 0.2097,
0.9191

■ 84.7739, 80.4676,
102.3305

■ 84.7739, 80.4676,
102.3305

■ 78.0237, 67.7402,
97.6975

■ 92.5598, 95.2530,
107.3502

■ 72.2581, 56.9696,
93.4306

95.0500, 100.0000,
108.9000

■ 67.4294, 48.0603,
89.5148

■ 63.4840, 40.9051,
85.9322

■ 60.3628, 35.3856,
82.6628

■ 57.9993, 31.3693,
79.6843

■ 56.3168, 28.7025,
76.9710

■ 55.2221, 27.1991,
74.4914

■ 54.7076, 26.6470,
72.8495

Harmonies

Analogous

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



81.0696, 80.4676, 113.3489



84.7739, 80.4676, 102.3305



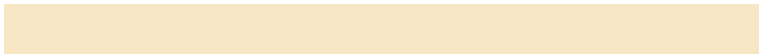
86.2435, 80.4676, 88.2384

Triad

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



84.7739, 80.4676, 102.3305



76.6992, 80.4676, 63.4194



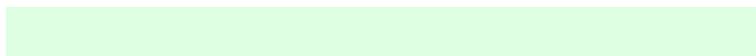
68.5474, 80.4676, 101.1415

Complementary

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



84.7739, 80.4676, 102.3305



79.6141, 92.5417, 85.6209

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.



67.4864, 80.4676, 86.9956



84.7739, 80.4676, 102.3305



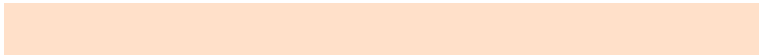
72.0709, 80.4676, 66.1053

Square

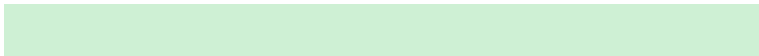
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7739, 80.4676, 102.3305



81.4609, 80.4676, 66.6216



68.7493, 80.4676, 74.3835



71.7103, 80.4676, 112.6127

Rectangle

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



84.7739, 80.4676, 102.3305



85.7126, 80.4676, 79.2962



68.7493, 80.4676, 74.3835



67.9392, 80.4676, 96.4973

Sweetspot

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



84.7756, 80.4708, 102.3322



91.6835, 93.5845, 106.7992



75.4915, 75.6110, 105.2233



19.4926, 19.7809, 22.7764



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.



84.7756, 80.4708, 102.3322



82.6012, 76.3600, 100.8734



82.3082, 79.4838, 89.3389



18.6923, 18.2602, 22.2628



28.6234, 13.9387, 38.2629



2.8125, 1.3674, 3.8602

Inverse Universe

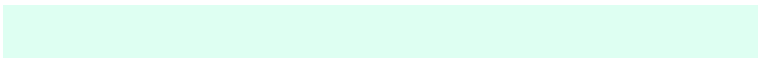
The Inverse Universe completely reimagines the original color for something new.



84.7756, 80.4708, 102.3322



82.6012, 76.3600, 100.8734



81.9660, 93.4825, 98.0059



18.6923, 18.2602, 22.2628



28.6234, 13.9387, 38.2629



2.8125, 1.3674, 3.8602

Previews

White Background



This preview shows how the XYZ color 84.7739, 80.4676, 102.3305 looks on a white background.

Color Contrast Check

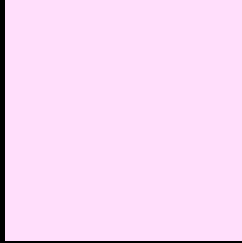
Large Text (above 18pt) WCAG AA × Fail

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 84.7739, 80.4676, 102.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

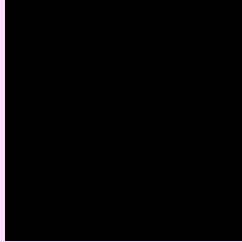
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.7739, 80.4676, 102.3305

Background



This preview shows how black text looks on a background with the XYZ color 84.7739, 80.4676, 102.3305.

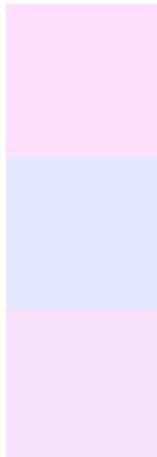


This preview shows how white text looks on a background with the XYZ color 84.7739, 80.4676,

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

84.7739, 80.4676, 102.3305

Protanopia

78.6599, 80.4716, 105.9945

Deuteranopia

82.1866, 80.3454, 101.6190



Tritanopia

83.4059, 80.7330, 94.4062

Trichromacy



Original Color

84.7739, 80.4676, 102.3305

Protanomaly

80.6184, 80.2711, 105.0108

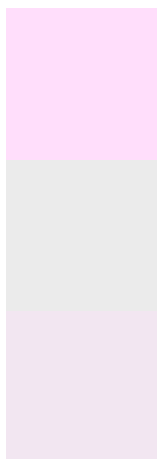
Deuteranomaly

82.9779, 80.3532, 101.5788

Tritanomaly

83.7422, 80.4388, 97.4987

Monochromacy



Original Color

84.7739, 80.4676, 102.3305

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

80.7919, 81.8217, 94.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7739, 80.4676, 102.3305 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, 222, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 251)  
}
```

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, 222, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 251) }
```

Border

The CSS property to change the border of an element to XYZ 84.7739, 80.4676, 102.3305 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, 222, 251) }
```


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

```
.border{ border-color:rgb(255, 222, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7739, 80.4676, 102.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 251) }
```

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

```
.background{ background-color: rgb(255,  
222, 251) }
```

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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