

Converting Colors

XYZ(84.6674, 80.0018,
103.0743)

Have a look what the booklet for
XYZ(84.6674, 80.0018, 103.0743)
contains.

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Color

**XYZ(84.6671, 80.0012,
103.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDDFC
RGB	255, 221, 252
RGB Percent	100%, 87%, 99%
CMY	0.0000, 0.1333, 0.0118
CMYK	0.00, 0.13, 0.01, 0.00
HSL	305°, 100%, 93%
HSV	305°, 13%, 100%
XYZ	84.6671, 80.0012, 103.0748
YIQ	234.7000, 10.3130, 16.8490

Conversions

Conversions Part 2

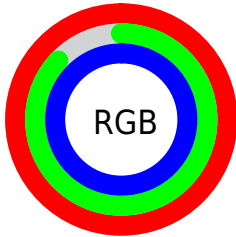
Format	Color
R _Y B	255, 221, 252
Decimal	16768508
CIE Lab	91.69, 16.93, -10.71
CIE LCh	92, 20.037, 327.675
Yxy	80.0012, 0.3162, 0.2988
Android (android.graphics.Color)	4294958588 (0xFFFFDDFC)
YUV	234.7000, 8.5289, 17.8031
Hunter-Lab	89.4434, 12.4421, -5.7156

Details

The XYZ color **84.6671, 80.0012, 103.0748** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.0358, 92.2751, 84.1695**, and the grayscale version is **78.6710, 82.7680, 90.1344**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7752, 43.2183, 57.5064** is the 20% darker color. If you saturate the color by 10%, you get **78.0851, 67.4039, 99.1335**, and if you desaturate by 10%, it is **92.2795, 94.6516, 107.3825**.

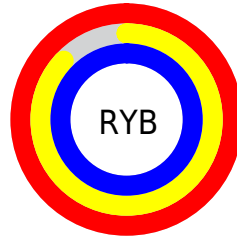
Distribution



Red (100%)

Green (87%)

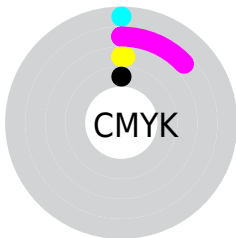
Blue (99%)



Red (100%)

Yellow (87%)

Blue (99%)

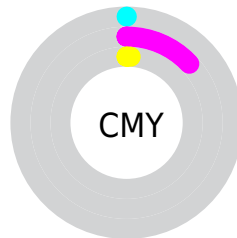


Cyan (0%)

Magenta (13%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.6671, 80.0012, 103.0748 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 84.6671, 80.0012, 103.0748 by changing the saturation by 10% instead.


 84.6671, 80.0012,
103.0748

 84.6671, 80.0012,
103.0748


499.0262,
494.9369, 591.3371

 63.8879, 59.7193,
78.2398


138.8244,
133.3674, 167.4649

 46.8212, 43.1925,
57.7533


172.9332,
167.2206, 207.8570

 33.1017, 30.0361,
41.1970


212.2160,
206.3663, 254.2719

 22.3640, 19.8660,
28.1522


257.0380,
251.1889, 307.1282

 14.2427, 12.2977,
18.2004

307.7647,
302.0729, 366.8443

 8.3725, 6.9468,
10.9230

364.7614,

 4.3880, 3.4288,

359.4026, 433.8387

5.9016

428.3934,
423.5625, 508.5302

■ 1.9239, 1.3595,
2.7175

■ 0.5907, 0.1866,
0.9522

■ 84.6671, 80.0012,
103.0748

■ 84.6671, 80.0012,
103.0748

■ 78.0851, 67.4039,
99.1335

■ 92.2795, 94.6516,
107.3825

■ 72.4821, 56.7582,
95.5382

95.0500, 100.0000,
108.9000

■ 67.8102, 47.9682,
92.2740

■ 64.0158, 40.9264,
89.3228

■ 61.0395, 35.5140,
86.6649

■ 58.8145, 31.5978,
84.2779

■ 57.2636, 29.0231,
82.1360

■ 56.2928, 27.6020,
80.2078

■ 55.8776, 27.1150,
79.0105

Harmonies

Analogous

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



80.7046, 80.0012, 114.5460



84.6671, 80.0012, 103.0748



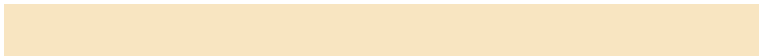
86.3083, 80.0012, 88.2569

Triad

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



84.6671, 80.0012, 103.0748



76.4390, 80.0012, 61.8586



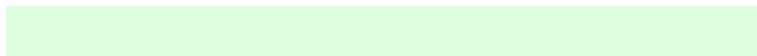
67.6472, 80.0012, 100.8735

Complementary

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



84.6671, 80.0012, 103.0748



79.0358, 92.2751, 84.1695

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.



66.6179, 80.0012, 85.9685



84.6671, 80.0012, 103.0748



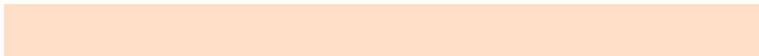
71.5563, 80.0012, 64.4433

Square

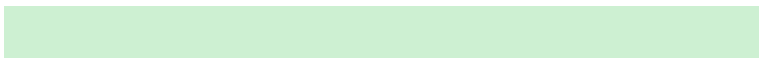
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



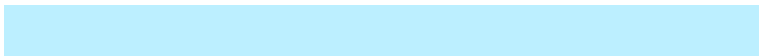
84.6671, 80.0012, 103.0748



81.4268, 80.0012, 65.3838



68.0175, 80.0012, 72.8811



70.8938, 80.0012, 113.1781

Rectangle

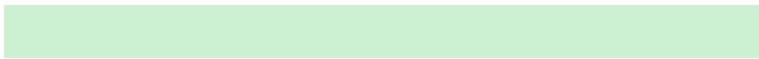
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6671, 80.0012, 103.0748



85.8123, 80.0012, 78.8228



68.0175, 80.0012, 72.8811



67.0370, 80.0012, 95.9537

Sweetspot

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



84.6689, 80.0044, 103.0765



91.7374, 93.6060, 107.0828



74.5985, 74.7576, 105.1056



19.5063, 19.7863, 22.8484



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.



84.6689, 80.0044, 103.0765



82.8131, 76.4448, 101.9892



82.1180, 78.9840, 89.6436



18.7195, 18.2711, 22.4059



29.2259, 14.1796, 41.4355



2.8651, 1.3884, 4.1369

Inverse Universe

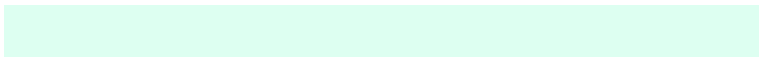
The Inverse Universe completely reimagines the original color for something new.



84.6689, 80.0044, 103.0765



82.8131, 76.4448, 101.9892



81.4333, 93.2342, 96.7946



18.7195, 18.2711, 22.4059



29.2259, 14.1796, 41.4355



2.8651, 1.3884, 4.1369

Previews

White Background



This preview shows how the XYZ color 84.6671, 80.0012, 103.0748 looks on a white background.

Color Contrast Check

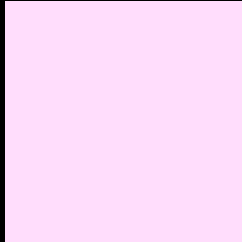
Large Text (above 18pt) WCAG AA × Fail

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 84.6671, 80.0012, 103.0748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

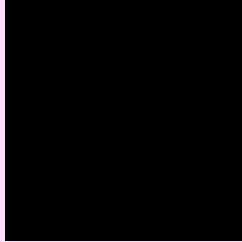
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6671, 80.0012, 103.0748

Background



This preview shows how black text looks on a background with the XYZ color 84.6671, 80.0012, 103.0748.

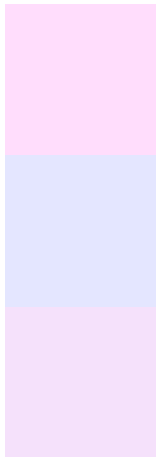


This preview shows how white text looks on a background with the XYZ color 84.6671, 80.0012,

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

84.6671, 80.0012, 103.0748

Protanopia

78.3417, 80.3076, 105.9796

Deuteranopia

81.9940, 80.2279, 102.4308



Tritanopia

82.6239, 79.9493, 93.5151

Trichromacy



Original Color

84.6671, 80.0012, 103.0748

Protanomaly

80.6184, 80.2711, 105.0108

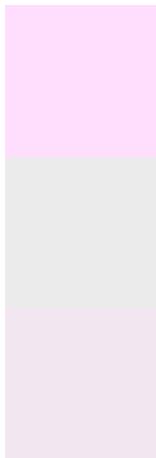
Deuteranomaly

83.1352, 80.4161, 102.4069

Tritanomaly

83.3235, 79.8450, 96.6080

Monochromacy



Original Color

84.6671, 80.0012, 103.0748

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 84.6671, 80.0012, 103.0748 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, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 252)  
}
```

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, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 252) }
```

Border

The CSS property to change the border of an element to XYZ 84.6671, 80.0012, 103.0748 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, 221, 252) }
```


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

```
.border{ border-color:rgb(255, 221, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6671, 80.0012, 103.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 252) }
```

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

```
.background{ background-color: rgb(255,  
221, 252) }
```

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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