

# Converting Colors

XYZ(84.8003, 81.0925,  
100.5761)

Have a look what the booklet for  
XYZ(84.8003, 81.0925, 100.5761)  
contains.

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# Color

**XYZ(84.7266, 80.8749,  
100.7674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFF9
RGB	255, 223, 249
RGB Percent	100%, 87%, 98%
CMY	0.0000, 0.1255, 0.0235
CMYK	0.00, 0.13, 0.02, 0.00
HSL	311°, 100%, 94%
HSV	311°, 13%, 100%
XYZ	84.7266, 80.8749, 100.7674
YIQ	235.5320, 10.7260, 14.8700

# Conversions

## Conversions Part 2

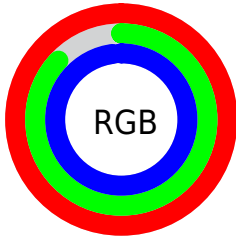
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 223, 249
Decimal	16769017
CIE Lab	92.08, 15.36, -8.56
CIE LCh	92, 17.587, 330.858
Yxy	80.8749, 0.3181, 0.3036
Android (android.graphics.Color)	4294959097 (0xFFFFDFF9)
YUV	235.5320, 6.6397, 17.0734
Hunter-Lab	89.9305, 10.7927, -3.4833

# Details

The XYZ color **84.7266, 80.8749, 100.7674** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.3367, 92.8663, 87.8227**, and the grayscale version is **79.3179, 83.4487, 90.8756**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9170, 43.8613, 56.4454** is the 20% darker color. If you saturate the color by 10%, you get **77.6840, 67.9677, 94.7883**, and if you desaturate by 10%, it is **92.8177, 95.8481, 107.1919**.

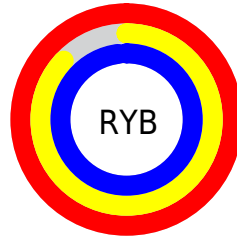
# Distribution



Red (100%)

Green (87%)

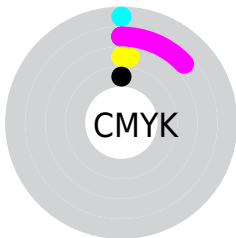
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

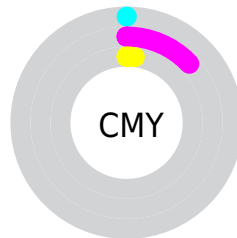


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7266, 80.8749, 100.7674 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 84.7266, 80.8749, 100.7674 by changing the saturation by 10% instead.



 84.7266, 80.8749,  
100.7674

 84.7266, 80.8749,  
100.7674


499.2203,  
497.8764, 583.9179

 63.9372, 60.4386,  
76.3211

138.9071,  
134.5951, 164.2724

 46.8613, 43.7722,  
56.1876


173.0290,  
168.6478, 204.1683

 33.1335, 30.4915,  
39.9484


212.3258,  
208.0080, 250.0510

 22.3885, 20.2119,  
27.1848

257.1628,  
253.0602, 302.3393

 14.2608, 12.5492,  
17.4784

307.9054,  
304.1887, 361.4516

 8.3852, 7.1189,  
10.4106

364.9189,

 4.3963, 3.5366,

361.7780, 427.8064

5.5629

428.5688,  
426.2125, 501.8223

■ 1.9287, 1.4179,  
2.5167

■ 0.5934, 0.2298,  
0.8490

■ 84.7266, 80.8749,  
100.7674

■ 84.7266, 80.8749,  
100.7674

■ 77.6840, 67.9677,  
94.7883

■ 92.8177, 95.8481,  
107.1919

■ 71.6387, 57.0253,  
89.2335

95.0500, 100.0000,  
108.9000

■ 66.5431, 47.9525,  
84.0875

■ 62.3438, 40.6425,  
79.3318

■ 58.9817, 34.9774,  
74.9460

■ 56.3907, 30.8251,  
70.9074

■ 54.4943, 28.0331,  
67.1897

■ 53.2000, 26.4168,  
63.7614

■ 52.5258, 25.7743,  
61.3603

# Harmonies

## Analogous

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



81.4216, 80.8749, 111.2436



84.7266, 80.8749, 100.7674



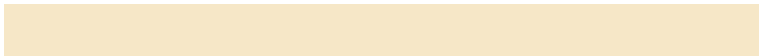
85.9069, 80.8749, 87.6861

# Triad

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



84.7266, 80.8749, 100.7674



76.7388, 80.8749, 65.4073



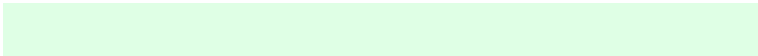
69.6352, 80.8749, 101.4768

# Complementary

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



84.7266, 80.8749, 100.7674



80.3367, 92.8663, 87.8227

# Split Complementary

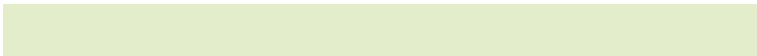
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4886, 80.8749, 88.4330



84.7266, 80.8749, 100.7674



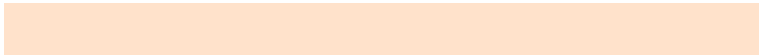
72.4896, 80.8749, 68.3426

# Square

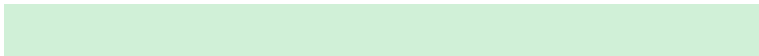
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7266, 80.8749, 100.7674



81.1871, 80.8749, 68.0277



69.5132, 80.8749, 76.4667



72.7071, 80.8749, 111.6807



# Rectangle

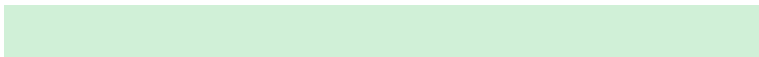
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7266, 80.8749, 100.7674



85.2950, 80.8749, 79.4763



69.5132, 80.8749, 76.4667



69.0174, 80.8749, 97.2384

# Sweetspot

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



84.7283, 80.8781, 100.7691



91.5755, 93.5413, 106.2304



76.7113, 76.6353, 105.3567



19.4652, 19.7699, 22.6320



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.



84.7283, 80.8781, 100.7691



82.9051, 77.5236, 99.2616



82.3568, 79.9295, 88.2809



18.6380, 18.2385, 21.9768



27.4982, 13.4886, 32.3379



2.7134, 1.3277, 3.3382



# Inverse Universe

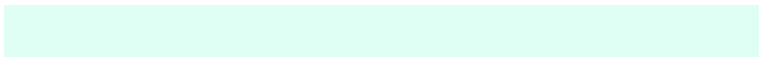
The Inverse Universe completely reimagines the original color for something new.



84.7283, 80.8781, 100.7691



82.9051, 77.5236, 99.2616



82.6546, 93.7934, 100.0286



18.6380, 18.2385, 21.9768



27.4982, 13.4886, 32.3379



2.7134, 1.3277, 3.3382



# Previews

## White Background



This preview shows how the XYZ color 84.7266, 80.8749, 100.7674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

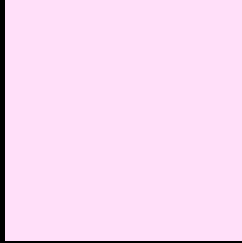
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7266, 80.8749, 100.7674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

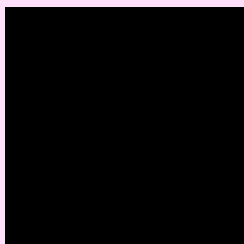
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.7266, 80.8749, 100.7674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7266, 80.8749, 100.7674.



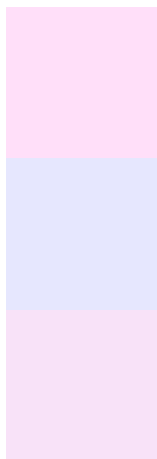
This preview shows how white text looks on a background with the XYZ color 84.7266, 80.8749,

100.7674.

# 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

84.7266, 80.8749, 100.7674

### Protanopia

79.0984, 81.1306, 105.2568

### Deuteranopia

82.8510, 81.1265, 100.0992



## Tritanopia

83.5557, 80.7929, 95.1951

# Trichromacy



## Original Color

84.7266, 80.8749, 100.7674

## Protanomaly

80.9107, 80.8658, 103.4397

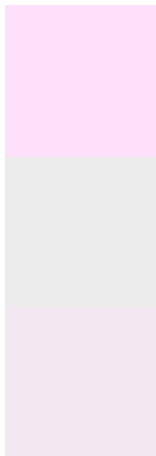
## Deuteranomaly

83.6522, 81.1370, 100.0590

## Tritanomaly

84.0101, 80.9747, 97.5881

# Monochromacy



## Original Color

84.7266, 80.8749, 100.7674

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

81.4152, 82.5574, 94.8632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7266, 80.8749, 100.7674 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, 223, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 249)  
}
```

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, 223, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7266, 80.8749, 100.7674 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, 223, 249) }
```



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

```
.border{ border-color:rgb(255, 223, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7266, 80.8749, 100.7674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 249) }
```

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

```
.background{ background-color: rgb(255,  
223, 249) }
```

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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