

# Converting Colors

XYZ(85.2424, 82.4454, 99.2782)

Have a look what the booklet for  
XYZ(85.2424, 82.4454, 99.2782)  
contains.

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# Color

**XYZ(85.2249, 82.3681,  
99.4025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2F7
RGB	255, 226, 247
RGB Percent	100%, 89%, 97%
CMY	0.0000, 0.1137, 0.0314
CMYK	0.00, 0.11, 0.03, 0.00
HSL	317°, 100%, 94%
HSV	317°, 11%, 100%
XYZ	85.2249, 82.3681, 99.4025
YIQ	237.0650, 10.5430, 12.6790

# Conversions

## Conversions Part 2

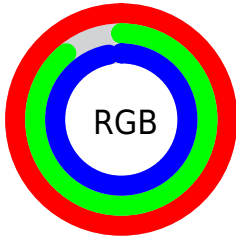
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 226, 247
Decimal	16769783
CIE Lab	92.74, 13.45, -6.54
CIE LCh	93, 14.958, 334.072
Yxy	82.3681, 0.3192, 0.3085
Android (android.graphics.Color)	4294959863 (0xFFFFE2F7)
YUV	237.0650, 4.8980, 15.7290
Hunter-Lab	90.7569, 8.7952, -1.4082

# Details

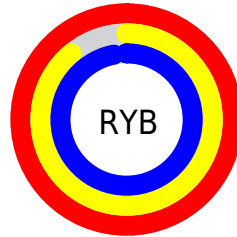
The XYZ color **85.2249, 82.3681, 99.4025** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9778, 93.6305, 91.5969**, and the grayscale version is **80.5058, 84.6983, 92.2365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2556, 44.8932, 55.4648** is the 20% darker color. If you saturate the color by 10%, you get **77.7349, 69.0926, 91.6515**, and if you desaturate by 10%, it is **93.7906, 97.7289, 107.7165**.

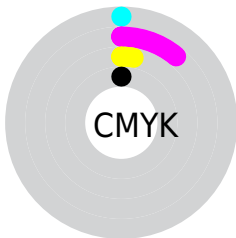
# Distribution



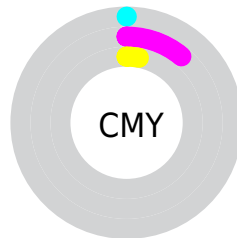
- Red (100%)
- Green (89%)
- Blue (97%)



- Red (100%)
- Yellow (89%)
- Blue (97%)



- Cyan (0%)
- Magenta (11%)
- Yellow (3%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2249, 82.3681, 99.4025 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 85.2249, 82.3681, 99.4025 by changing the saturation by 10% instead.



85.2249, 82.3681,  
99.4025

85.2249, 82.3681,  
99.4025

500.8444,  
502.8781, 579.5056

64.3503, 61.6690,  
75.1875

139.5998,  
136.6901, 162.3805

47.1972, 44.7653,  
55.2639

173.8308,  
171.0818, 201.9807

33.4002, 31.2726,  
39.2130

213.2446,  
210.8064, 247.5463

22.5939, 20.8065,  
26.6164

258.2067,  
256.2484, 299.4960

14.4130, 12.9826,  
17.0554

309.0824,  
307.7922, 358.2482

8.4921, 7.4166,  
10.1116

366.2370,

4.4658, 3.7240,

365.8222, 424.2215

5.3665

430.0359,  
430.7227, 497.8345

■ 1.9689, 1.5204,  
2.4014

■ 0.6164, 0.3030,  
0.7872

■ 85.2249, 82.3681,  
99.4025

■ 85.2249, 82.3681,  
99.4025

■ 77.7349, 69.0926,  
91.6515

■ 93.7906, 97.7289,  
107.7165

■ 71.2694, 57.8015,  
84.4407

95.0500, 100.0000,  
108.9000

■ 65.7811, 48.4007,  
77.7532

■ 61.2166, 40.7840,  
71.5691

■ 57.5172, 34.8351,  
65.8665

■ 54.6175, 30.4237,  
60.6211

■ 52.4422, 27.3998,  
55.8055

■ 50.9007, 25.5835,  
51.3870

■ 49.9605, 24.7482,  
47.8515

# Harmonies

## Analogous

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



82.5632, 82.3681, 108.6679



85.2249, 82.3681, 99.4025



86.0057, 82.3681, 88.1692

# Triad

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



85.2249, 82.3681, 99.4025



77.7574, 82.3681, 69.9310



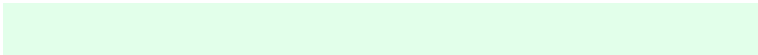
72.2422, 82.3681, 102.2569

# Complementary

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



85.2249, 82.3681, 99.4025



81.9778, 93.6305, 91.5969

# 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.



71.0472, 82.3681, 91.2178



85.2249, 82.3681, 99.4025



74.1638, 82.3681, 73.0523

# Square

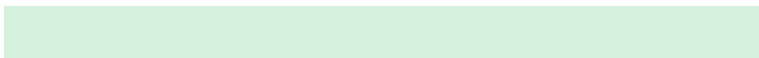
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



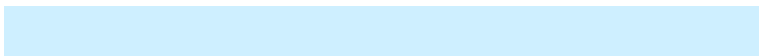
85.2249, 82.3681, 99.4025



81.6118, 82.3681, 71.7309



71.7389, 82.3681, 80.6221



75.0565, 82.3681, 110.4095

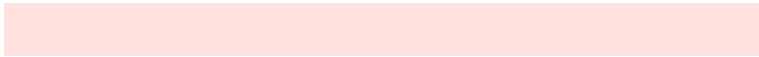


# Rectangle

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



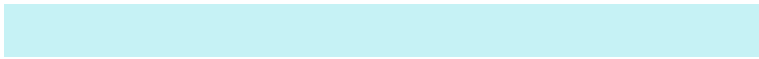
85.2249, 82.3681, 99.4025



85.3336, 82.3681, 81.2108



71.7389, 82.3681, 80.6221



71.6421, 82.3681, 98.7288

# Sweetspot

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



85.2267, 82.3714, 99.4042



92.3199, 95.0806, 106.3230



79.0935, 79.0639, 105.6999



19.6077, 20.0768, 22.6119



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.



85.2267, 82.3714, 99.4042



83.1544, 78.6816, 97.3119



83.1132, 81.5260, 88.2750



18.5663, 18.2098, 21.5994



26.1719, 12.9580, 25.3532



2.5945, 1.2802, 2.7121



# Inverse Universe

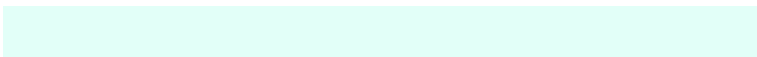
The Inverse Universe completely reimagines the original color for something new.



85.2267, 82.3714, 99.4042



83.1544, 78.6816, 97.3119



84.1056, 94.4816, 102.8019



18.5663, 18.2098, 21.5994



26.1719, 12.9580, 25.3532



2.5945, 1.2802, 2.7121



# Previews

## White Background



This preview shows how the XYZ color 85.2249, 82.3681, 99.4025 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

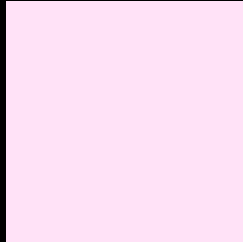
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.2249, 82.3681, 99.4025 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 85.2249, 82.3681, 99.4025

## Background



This preview shows how black text looks on a background with the XYZ color 85.2249, 82.3681, 99.4025.



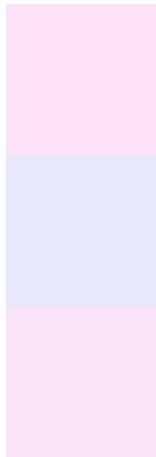
This preview shows how white text looks on a background with the XYZ color 85.2249, 82.3681,

99.4025.

# 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

85.2249, 82.3681, 99.4025

### Protanopia

80.4832, 82.7353, 102.9944

### Deuteranopia

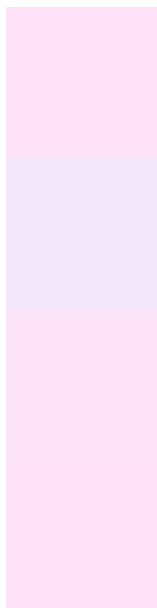
84.0412, 82.1628, 99.4252



## Tritanopia

84.7655, 82.1844, 96.9835

# Trichromacy



## Original Color

85.2249, 82.3681, 99.4025

## Protanomaly

82.1701, 82.3730, 102.0112

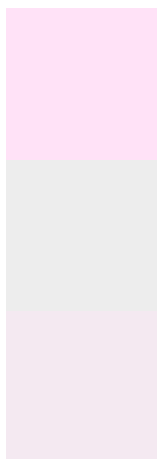
## Deuteranomaly

84.4025, 82.3490, 99.4421

## Tritanomaly

84.9178, 82.2453, 97.7855

# Monochromacy



## Original Color

85.2249, 82.3681, 99.4025

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

82.3243, 83.8618, 95.0671

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.2249, 82.3681, 99.4025 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, 226, 247) looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 247)  
}
```

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, 226, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 85.2249, 82.3681, 99.4025 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, 226, 247) }
```



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

```
.border{ border-color:rgb(255, 226, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.2249, 82.3681, 99.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 247) }
```

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

```
.background{ background-color: rgb(255,  
226, 247) }
```

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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