

# Converting Colors

XYZ(85.9350, 82.9670,  
104.1264)

Have a look what the booklet for  
XYZ(85.9350, 82.9670, 104.1264)  
contains.

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# **Color**

**XYZ(86.0718, 83.1008,  
104.4321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE3FD
RGB	254, 227, 253
RGB Percent	100%, 89%, 99%
CMY	0.0039, 0.1098, 0.0078
CMYK	0.00, 0.11, 0.00, 0.00
HSL	302°, 93%, 94%
HSV	302°, 11%, 100%
XYZ	86.0718, 83.1008, 104.4321
YIQ	238.0370, 7.7460, 13.8100

# Conversions

## Conversions Part 2

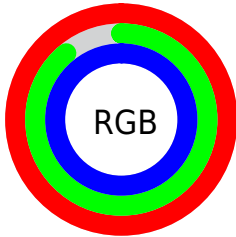
Format	Color
<a href="#">RYB</a>	<a href="#">254, 227, 253</a>
Decimal	<a href="#">16704509</a>
CIELab	<a href="#">93.06, 13.66, -9.20</a>
CIElCh	<a href="#">93, 16.471, 326.023</a>
Yxy	<a href="#">83.1008, 0.3146, 0.3037</a>
Android (android.graphics.Color)	<a href="#">4294894589</a> ( <a href="#">0xFFFE3FD</a> )
YUV	<a href="#">238.0370, 7.3768, 13.9996</a>
Hunter-Lab	<a href="#">91.1596, 9.0081, -4.1106</a>

# Details

The XYZ color **86.0718, 83.1008, 104.4321** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.1272, 92.8184, 87.0431**, and the grayscale version is **81.2392, 85.4700, 93.0768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7423, 45.3609, 58.4638** is the 20% darker color. If you saturate the color by 10%, you get **79.4821, 70.1594, 101.4985**, and if you desaturate by 10%, it is **93.6920, 98.0993, 107.7148**.

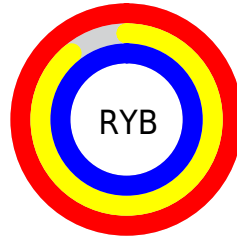
# Distribution



Red (100%)

Green (89%)

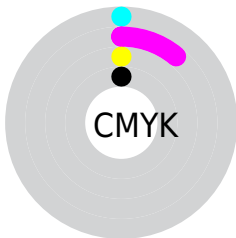
Blue (99%)



Red (100%)

Yellow (89%)

Blue (99%)

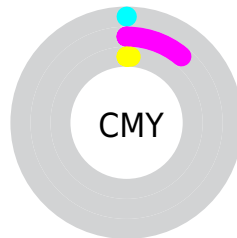


Cyan (0%)

Magenta (11%)

Yellow (0%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.0718, 83.1008, 104.4321 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 86.0718, 83.1008, 104.4321 by changing the saturation by 10% instead.



86.0718, 83.1008,  
104.4321

86.0718, 83.1008,  
104.4321

503.5983,  
505.3224, 595.6785

65.0528, 62.2733,  
79.3697

140.7760,  
137.7166, 169.3395

47.7688, 45.2536,  
58.6767

175.1919,  
172.2738, 210.0215

33.8543, 31.6572,  
41.9346

214.8042,  
212.1762, 256.7472

22.9440, 21.0998,  
28.7249

259.9782,  
257.8084, 309.9350

14.6727, 13.1970,  
18.6290

311.0792,  
309.5547, 370.0034

8.6748, 7.5643,  
11.2284

368.4727,

4.5851, 3.8175,

367.7996, 437.3712

6.1046

432.5240,  
432.9273, 512.4567

■ 2.0382, 1.5720,  
2.8390

■ 0.6553, 0.3386,  
1.0130

■ 86.0718, 83.1008,  
104.4321

■ 86.0718, 83.1008,  
104.4321

■ 79.4821, 70.1594,  
101.4985

■ 93.6920, 98.0993,  
107.7148

■ 73.8707, 59.1750,  
98.8937

94.6651, 99.8037,  
108.7845

■ 69.1922, 50.0550,  
96.6034

94.6837, 99.8112,  
108.8829

■ 65.3945, 42.6955,  
94.6104

■ 62.4205, 36.9821,  
92.8956

■ 60.2063, 32.7871,  
91.4377

■ 58.6786, 29.9641,  
90.2122

■ 57.7499, 28.3378,  
89.1900

■ 57.2925, 27.6387,  
88.3730

# Harmonies

## Analogous

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



82.6837, 83.1008, 113.5758



86.0718, 83.1008, 104.4321



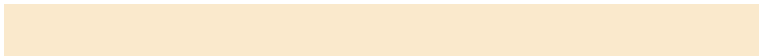
87.5602, 83.1008, 92.1417

# Triad

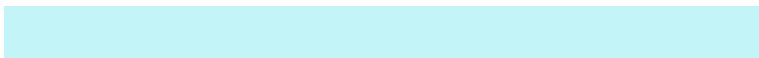
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0718, 83.1008, 104.4321



79.5620, 83.1008, 68.7745



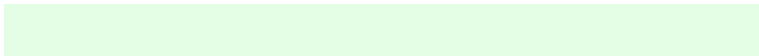
71.7565, 83.1008, 101.3209

# Complementary

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



86.0718, 83.1008, 104.4321



81.1272, 92.8184, 87.0431

# 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.



70.9884, 83.1008, 88.8437



86.0718, 83.1008, 104.4321



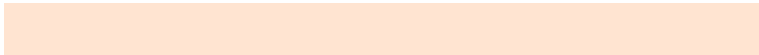
75.3979, 83.1008, 70.7533

# Square

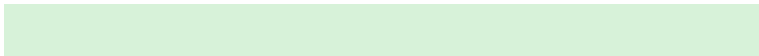
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



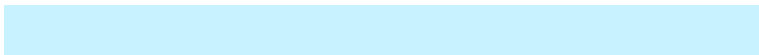
86.0718, 83.1008, 104.4321



83.7162, 83.1008, 72.1622



72.2979, 83.1008, 77.8342



74.4352, 83.1008, 111.6678



# Rectangle

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



86.0718, 83.1008, 104.4321



87.2365, 83.1008, 84.0767



72.2979, 83.1008, 77.8342



71.2706, 83.1008, 97.2060

# Sweetspot

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



86.0742, 83.1044, 104.4339



92.6123, 95.1976, 107.8624



77.3253, 78.5757, 104.8587



19.6869, 20.1084, 23.0288



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.



86.0742, 83.1044, 104.4339



85.1743, 80.5640, 104.6355



84.0138, 82.2802, 93.5836



18.7619, 18.2881, 22.6292



30.2176, 14.5763, 46.6578



2.9509, 1.4227, 4.5889



# Inverse Universe

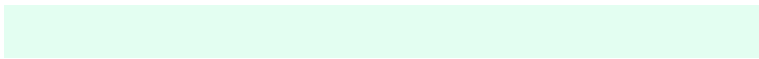
The Inverse Universe completely reimagines the original color for something new.



86.0742, 83.1044, 104.4339



85.1743, 80.5640, 104.6355



83.0603, 93.5917, 97.2228



18.7619, 18.2881, 22.6292



30.2176, 14.5763, 46.6578



2.9509, 1.4227, 4.5889



# Previews

## White Background



This preview shows how the XYZ color 86.0718, 83.1008, 104.4321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

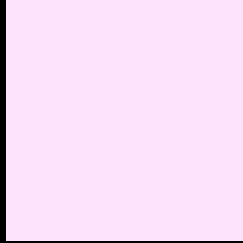
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.0718, 83.1008, 104.4321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

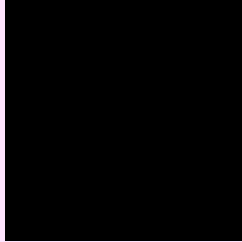
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.0718, 83.1008, 104.4321

## Background



This preview shows how black text looks on a background with the XYZ color 86.0718, 83.1008, 104.4321.



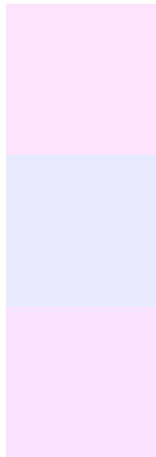
This preview shows how white text looks on a background with the XYZ color 86.0718, 83.1008,

104.4321.

# 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

86.0718, 83.1008, 104.4321

### Protanopia

81.0771, 83.3893, 106.4303

### Deuteranopia

84.8974, 82.9026, 104.4557



## Tritanopia

84.8860, 83.0233, 98.7399

# Trichromacy



## Original Color

86.0718, 83.1008, 104.4321

## Protanomaly

82.7409, 83.0084, 105.4272

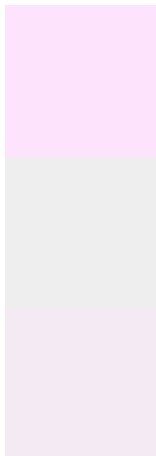
## Deuteranomaly

85.2567, 83.0879, 104.4726

## Tritanomaly

85.3503, 83.2090, 101.1850

# Monochromacy



## Original Color

86.0718, 83.1008, 104.4321

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.9087, 84.5498, 96.7440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.0718, 83.1008, 104.4321 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(254, 227, 253)` looks like.

```
.text, #text, p{  
    color:rgb(254, 227, 253)  
}
```

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(254, 227, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 227, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 86.0718, 83.1008, 104.4321 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(254, 227, 253) }
```



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

```
.border{ border-color:rgb(254, 227, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 227, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 227, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 227, 253);  
box-shadow:4px 4px 4px 4px rgb(254, 227,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.0718, 83.1008, 104.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 227, 253) }
```

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

```
.background{ background-color: rgb(254,  
227, 253) }
```

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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