

# Converting Colors

XYZ(84.7153, 83.6702,  
101.0802)

Have a look what the booklet for  
XYZ(84.7153, 83.6702, 101.0802)  
contains.

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# **Color**

**XYZ(84.8200, 83.7572,  
101.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE6F9
RGB	250, 230, 249
RGB Percent	98%, 90%, 98%
CMY	0.0196, 0.0980, 0.0235
CMYK	0.00, 0.08, 0.00, 0.02
HSL	303°, 67%, 94%
HSV	303°, 8%, 98%
XYZ	84.8200, 83.7572, 101.3188
YIQ	238.1460, 5.8210, 10.1490

# Conversions

## Conversions Part 2

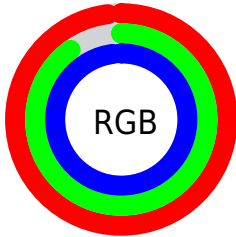
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 230, 249
Decimal	16443129
CIE <sub>Lab</sub>	93.34, 10.07, -6.73
CIE <sub>LCh</sub>	93, 12.111, 326.233
Yxy	83.7572, 0.3143, 0.3103
Android (android.graphics.Color)	4294633209 (0xFFFAE6F9)
YUV	238.1460, 5.3510, 10.3960
Hunter-Lab	91.5190, 5.2761, -1.5755

# Details

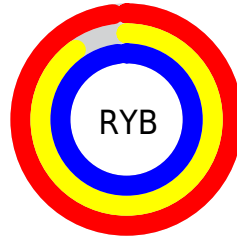
The XYZ color **84.8200, 83.7572, 101.3188** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2457, 90.9659, 88.8817**, and the grayscale version is **81.3399, 85.5759, 93.1921**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7540, 45.4598, 56.7625** is the 20% darker color. If you saturate the color by 10%, you get **78.1623, 70.7515, 98.1417**, and if you desaturate by 10%, it is **92.4797, 98.7622, 104.8383**.

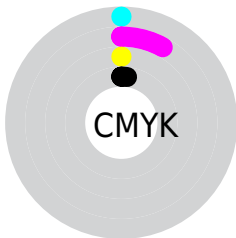
# Distribution



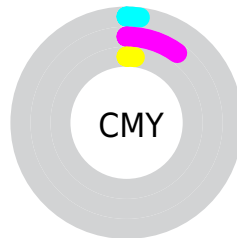
- Red (98%)
- Green (90%)
- Blue (98%)



- Red (98%)
- Yellow (90%)
- Blue (98%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (2%)
- Magenta (10%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8200, 83.7572, 101.3188 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 84.8200, 83.7572, 101.3188 by changing the saturation by 10% instead.



84.8200, 83.7572,  
101.3188

84.8200, 83.7572,  
101.3188

499.5249,  
507.5066, 585.6954

64.0147, 62.8150,  
76.7794

139.0370,  
138.6355, 165.0360

46.9243, 45.6916,  
56.5613

173.1793,  
173.3404, 205.0508

33.1835, 32.0025,  
40.2461

212.4981,  
213.4016, 251.0612

22.4270, 21.3634,  
27.4153

257.3586,  
259.2035, 303.4857

14.2893, 13.3899,  
17.6502

308.1261,  
311.1306, 362.7428

8.4052, 7.6976,  
10.5323

365.1661,

4.4093, 3.9020,

369.5672, 429.2511

5.6431

428.8439,  
434.8978, 503.4291

■ 1.9362, 1.6189,  
2.5640

■ 0.5977, 0.3703,  
0.8738

■ 84.8200, 83.7572,  
101.3188

■ 84.8200, 83.7572,  
101.3188

■ 78.1623, 70.7515,  
98.1417

■ 92.4797, 98.7622,  
104.8383

■ 72.4589, 59.6537,  
95.2880

■ 92.6767, 98.8410,  
105.8757

■ 67.6669, 50.3767,  
92.7445

■ 92.8750, 98.9203,  
106.9200

■ 63.7375, 42.8226,  
90.4950

■ 93.0746, 99.0001,  
107.9711

■ 60.6170, 36.8845,  
88.5214

■ 93.2349, 99.0643,  
108.8151

■ 58.2460, 32.4432,  
86.8040

■ 56.5567, 29.3633,  
85.3201

■ 55.4693, 27.4851,  
84.0432

■ 54.8751, 26.5913,  
82.9370

# Harmonies

## Analogous

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



82.3523, 83.7572, 107.8882



84.8200, 83.7572, 101.3188



85.8906, 83.7572, 92.3568

# Triad

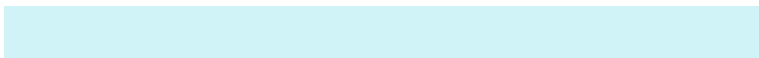
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8200, 83.7572, 101.3188



80.0125, 83.7572, 74.7602



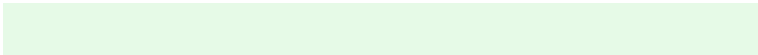
74.2299, 83.7572, 99.1888

# Complementary

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



84.8200, 83.7572, 101.3188



81.2457, 90.9659, 88.8817

# 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.



73.6409, 83.7572, 90.0477



84.8200, 83.7572, 101.3188



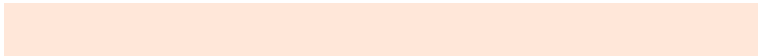
76.9268, 83.7572, 76.3233

# Square

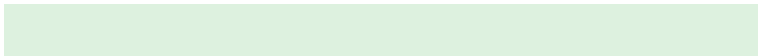
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



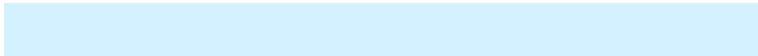
84.8200, 83.7572, 101.3188



83.0685, 83.7572, 77.3533



74.6154, 83.7572, 81.7735



76.2463, 83.7572, 106.6019



# Rectangle

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



84.8200, 83.7572, 101.3188



85.6474, 83.7572, 86.3719



74.6154, 83.7572, 81.7735



73.8608, 83.7572, 96.1993

# Sweetspot

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



84.8224, 83.7608, 101.3206



93.4035, 96.7727, 108.1487



78.5108, 80.4890, 101.8416



20.0094, 20.7471, 23.1562



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.



84.8224, 83.7608, 101.3206



87.2432, 84.7139, 105.2883



83.3039, 83.1534, 93.3240



17.9533, 17.5087, 21.6101



29.0753, 14.0459, 43.9666



2.7041, 1.3054, 4.1311



# Inverse Universe

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



84.8224, 83.7608, 101.3206



87.2432, 84.7139, 105.2883



82.6988, 91.5471, 96.5335



17.9533, 17.5087, 21.6101



29.0753, 14.0459, 43.9666

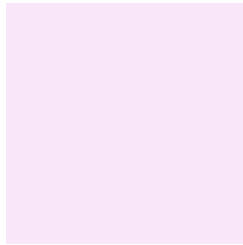


2.7041, 1.3054, 4.1311



# Previews

## White Background



This preview shows how the XYZ color 84.8200, 83.7572, 101.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

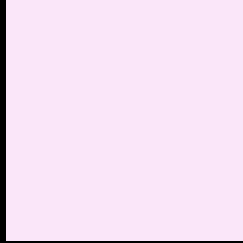
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8200, 83.7572, 101.3188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

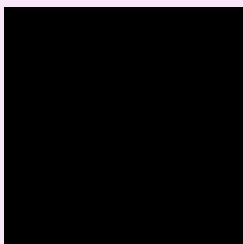
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.8200, 83.7572, 101.3188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.8200, 83.7572, 101.3188.



This preview shows how white text looks on a background with the XYZ color 84.8200, 83.7572,

101.3188.

# 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

84.8200, 83.7572, 101.3188

### Protanopia

81.5856, 83.7068, 103.9525

### Deuteranopia

85.6262, 83.7608, 101.2770



## Tritanopia

84.6644, 83.6949, 100.4994

# Trichromacy



## Original Color

84.8200, 83.7572, 101.3188

## Protanomaly

82.8271, 83.9436, 103.1041

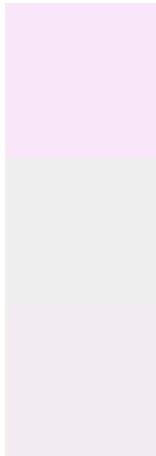
## Deuteranomaly

85.2631, 83.5736, 101.2600

## Tritanomaly

84.6644, 83.6949, 100.4994

# Monochromacy



## Original Color

84.8200, 83.7572, 101.3188

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.3533, 84.7047, 96.0136

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8200, 83.7572, 101.3188 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(250, 230, 249)` looks like.

```
.text, #text, p{  
    color:rgb(250, 230, 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(250, 230, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 230, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8200, 83.7572, 101.3188 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(250, 230, 249) }
```



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

```
.border{ border-color:rgb(250, 230, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 230, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 230, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 230, 249);  
box-shadow:4px 4px 4px 4px rgb(250, 230,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8200, 83.7572, 101.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 230, 249) }
```

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

```
.background{ background-color: rgb(250,  
230, 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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