

Converting Colors

XYZ(118.7304, 100.0000,
92.6115)

Have a look what the booklet for
XYZ(118.7304, 100.0000, 92.6115)
contains.

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Color

**XYZ(83.5767, 81.7088,
90.7233)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2EC
RGB	255, 226, 236
RGB Percent	100%, 89%, 93%
CMY	0.0000, 0.1137, 0.0745
CMYK	0.00, 0.11, 0.07, 0.00
HSL	339°, 100%, 94%
HSV	339°, 11%, 100%
XYZ	83.5767, 81.7088, 90.7233
YIQ	235.8110, 14.0740, 9.2580

Conversions

Conversions Part 2

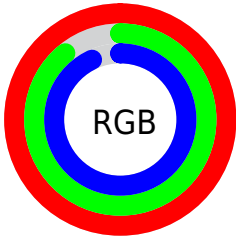
Format	Color
R _{YB}	255, 226, 236
Decimal	16769772
CIE _{Lab}	92.45, 11.58, -1.22
CIE _{LCh}	92, 11.642, 353.973
Yxy	81.7088, 0.3265, 0.3192
Android (android.graphics.Color)	4294959852 (0xFFFFE2EC)
YUV	235.8110, 0.0932, 16.8288
Hunter-Lab	90.3929, 6.8523, 3.7683

Details

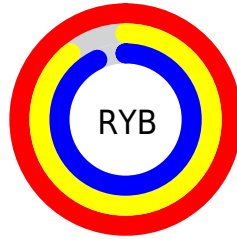
The XYZ color **83.5767, 81.7088, 90.7233** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.6080, 94.2825, 100.1814**, and the grayscale version is **79.5777, 83.7219, 91.1731**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0898, 44.4269, 49.3261** is the 20% darker color. If you saturate the color by 10%, you get **74.8364, 67.9332, 76.3881**, and if you desaturate by 10%, it is **93.5789, 97.6443, 106.6020**.

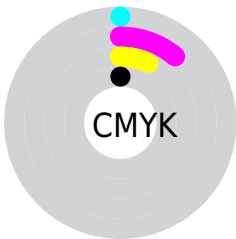
Distribution



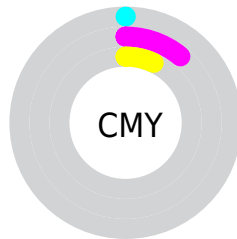
- Red (100%)
- Green (89%)
- Blue (93%)



- Red (100%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5767, 81.7088, 90.7233 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 83.5767, 81.7088, 90.7233 by changing the saturation by 10% instead.


 83.5767, 81.7088,
90.7233

 83.5767, 81.7088,
90.7233


495.4614,
500.6731, 551.0116

 62.9845, 61.1255,
68.0036


137.3072,
135.7656, 150.2870

 46.0873, 44.3265,
49.4340


171.1763,
170.0079, 187.9680

 32.5196, 30.9273,
34.5958


210.2017,
209.5719, 231.4733

 21.9162, 20.5435,
23.0706

254.7488,
254.8422, 281.2213

 13.9116, 12.7907,
14.4399

305.1830,
306.2031, 337.6306

 8.1405, 7.2846,
8.2850

361.8696,

 4.2375, 3.6407,

364.0389, 401.1197

4.1875

425.1739,
428.7341, 472.1072

■ 1.8374, 1.4747,
1.7287

■ 0.5400, 0.2708,
0.3803

■ 83.5767, 81.7088,
90.7233

■ 83.5767, 81.7088,
90.7233

■ 74.8364, 67.9332,
76.3881

■ 93.5789, 97.6443,
106.6020

■ 67.3011, 56.2142,
63.5434

95.0500, 100.0000,
108.9000

■ 60.9173, 46.4552,
52.1407

■ 55.6254, 38.5476,
42.1265

■ 51.3602, 32.3723,
33.4439

■ 48.0490, 27.7963,
26.0315

■ 45.6090, 24.6666,
19.8224

■ 43.9417, 22.7999,
14.7413

■ 42.9978, 21.9631,
11.1862

Harmonies

Analogous

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



82.4500, 81.7088, 99.1040



83.5767, 81.7088, 90.7233



83.0857, 81.7088, 82.3839

Triad

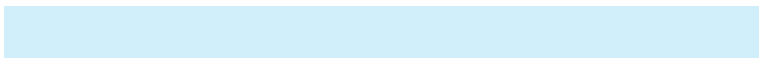
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5767, 81.7088, 90.7233



75.3278, 81.7088, 74.6292



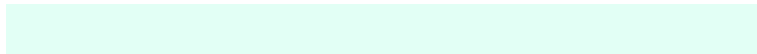
74.2985, 81.7088, 103.0957

Complementary

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



83.5767, 81.7088, 90.7233



83.6080, 94.2825, 100.1814

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.



72.4792, 81.7088, 95.8918



83.5767, 81.7088, 90.7233



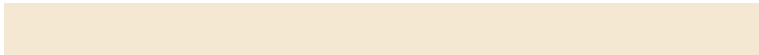
73.0626, 81.7088, 79.5459

Square

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



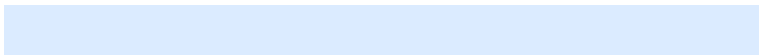
83.5767, 81.7088, 90.7233



78.2726, 81.7088, 73.4421



72.0327, 81.7088, 87.2335



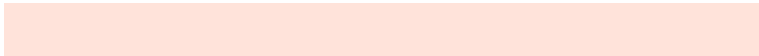
77.0541, 81.7088, 106.5387

Rectangle

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



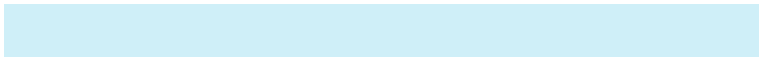
83.5767, 81.7088, 90.7233



81.9132, 81.7088, 77.9197



72.0327, 81.7088, 87.2335



73.5600, 81.7088, 101.0120

Sweetspot

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



83.5785, 81.7121, 90.7250



91.8612, 94.8971, 103.9074



82.8525, 81.0018, 105.8759



19.4839, 20.0273, 21.9600



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

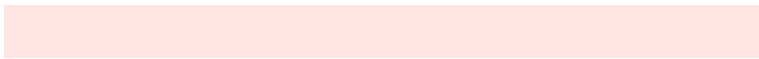
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5785, 81.7121, 90.7250



81.1596, 77.8836, 86.8074



83.3640, 83.5427, 83.6873



18.2678, 18.0904, 20.0276



22.5302, 11.5014, 6.1764



2.2427, 1.1395, 0.8597

Inverse Universe

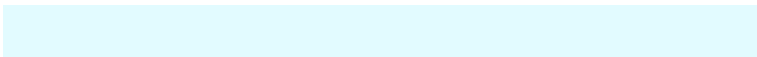
The Inverse Universe completely reimagines the original color for something new.



83.5785, 81.7121, 90.7250



81.1596, 77.8836, 86.8074



83.8041, 92.1661, 107.9806



18.2678, 18.0904, 20.0276



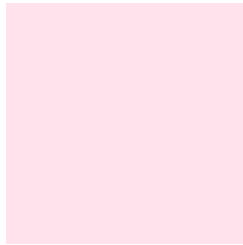
22.5302, 11.5014, 6.1764



2.2427, 1.1395, 0.8597

Previews

White Background



This preview shows how the XYZ color 83.5767, 81.7088, 90.7233 looks on a white background.

Color Contrast Check

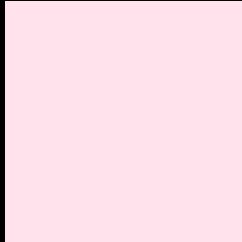
Large Text (above 18pt) WCAG AA × Fail

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 83.5767, 81.7088, 90.7233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

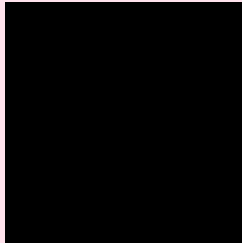
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5767, 81.7088, 90.7233

Background



This preview shows how black text looks on a background with the XYZ color 83.5767, 81.7088, 90.7233.



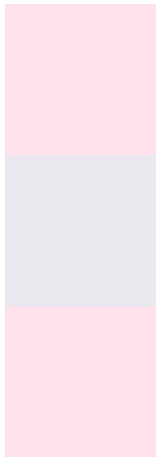
This preview shows how white text looks on a background with the XYZ color 83.5767, 81.7088,

90.7233.

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

83.5767, 81.7088, 90.7233

Protanopia

79.1769, 81.8374, 94.0612

Deuteranopia

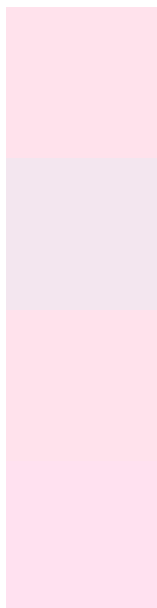
83.5767, 81.7088, 90.7233



Tritanopia

84.1922, 81.5212, 95.3022

Trichromacy



Original Color

83.5767, 81.7088, 90.7233

Protanomaly

80.8390, 81.8803, 93.2052

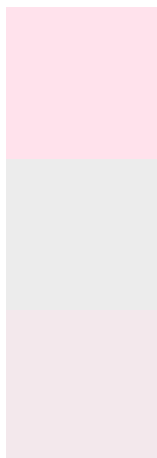
Deuteranomaly

83.5767, 81.7088, 90.7233

Tritanomaly

83.8934, 81.4017, 93.7285

Monochromacy



Original Color

83.5767, 81.7088, 90.7233

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.9591, 82.8240, 91.0765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5767, 81.7088, 90.7233 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 236) }
```

Border

The CSS property to change the border of an element to XYZ 83.5767, 81.7088, 90.7233 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, 236) }
```


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

```
.border{ border-color:rgb(255, 226, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5767, 81.7088, 90.7233 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
226, 236) }
```

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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