

# Converting Colors

XYZ(83.0742, 81.9609, 83.7801)

Have a look what the booklet for  
XYZ(83.0742, 81.9609, 83.7801)  
contains.

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# Color

**XYZ(82.5742, 81.7442,  
84.0991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3E3
RGB	255, 227, 227
RGB Percent	100%, 89%, 89%
CMY	0.0000, 0.1098, 0.1098
CMYK	0.00, 0.11, 0.11, 0.00
HSL	0°, 100%, 95%
HSV	0°, 11%, 100%
XYZ	82.5742, 81.7442, 84.0991
YIQ	235.3720, 16.6880, 5.9360

# Conversions

## Conversions Part 2

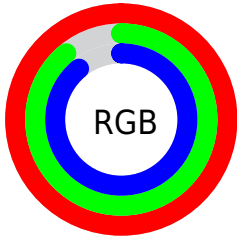
Format	Color
R <sub>Y</sub> B	255, 227, 227
Decimal	16770019
CIE Lab	92.46, 9.59, 3.50
CIE LCh	92, 10.207, 20.062
Yxy	81.7442, 0.3324, 0.3291
Android (android.graphics.Color)	4294960099 (0xFFFFE3E3)
YUV	235.3720, -4.1274, 17.2138
Hunter-Lab	90.4125, 4.8031, 8.1389

# Details

The XYZ color **82.5742, 81.7442, 84.0991** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.4876, 95.0683, 108.4521**, and the grayscale version is **79.2723, 83.4006, 90.8233**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4876, 44.4894, 45.2196** is the 20% darker color. If you saturate the color by 10%, you get **72.8475, 67.5122, 64.7599**, and if you desaturate by 10%, it is **93.8586, 98.2566, 106.5313**.

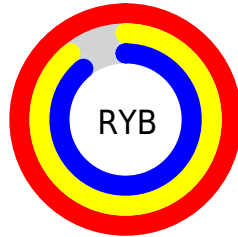
# Distribution



Red (100%)

Green (89%)

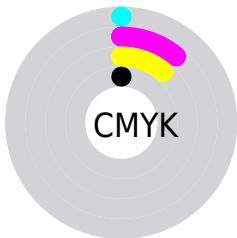
Blue (89%)



Red (100%)

Yellow (89%)

Blue (89%)

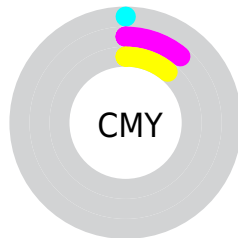


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5742, 81.7442, 84.0991 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 82.5742, 81.7442, 84.0991 by changing the saturation by 10% instead.




 82.5742, 81.7442,  
84.0991

 82.5742, 81.7442,  
84.0991


492.1718,  
500.7917, 528.7089

 62.1547, 61.1547,  
62.5514

135.9106,  
135.8152, 140.9768

 45.4138, 44.3500,  
45.0397


169.5581,  
170.0655, 177.1438

 31.9861, 30.9458,  
31.1455


208.3457,  
209.6383, 219.0210

 21.5064, 20.5576,  
20.4503

252.6387,  
254.9178, 267.0270

 13.6092, 12.8010,  
12.5355

302.8024,  
306.2885, 321.5802

 7.9293, 7.2916,  
6.9825

359.2023,

 4.1011, 3.6452,

364.1348, 383.0992

3.3729

422.2036,  
428.8410, 452.0026

■ 1.7595, 1.4771,  
1.2880

■ 0.4931, 0.2725,  
0.0520

■ 82.5742, 81.7442,  
84.0991

■ 82.5742, 81.7442,  
84.0991

■ 72.8475, 67.5122,  
64.7599

■ 93.8586, 98.2566,  
106.5313

■ 64.6047, 55.4509,  
48.3732

■ 95.0500, 100.0000,  
108.9000

■ 57.7747, 45.4567,  
34.7953

■ 52.2782, 37.4136,  
23.8687

■ 48.0281, 31.1942,  
15.4202

■ 44.9269, 26.6561,  
9.2561

■ 42.8629, 23.6355,  
5.1539

■ 41.7018, 21.9362,  
2.8469

■ 41.2404, 21.2609,  
1.9301

# Harmonies

## Analogous

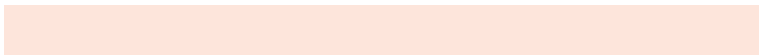
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8165, 81.7442, 91.5446



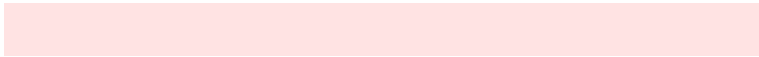
82.5742, 81.7442, 84.0991



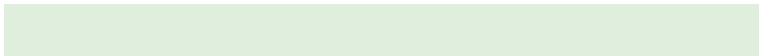
81.0083, 81.7442, 78.2921

# Triad

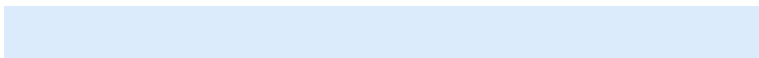
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5742, 81.7442, 84.0991



73.8585, 81.7442, 79.9735



76.8205, 81.7442, 104.1466

# Complementary

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



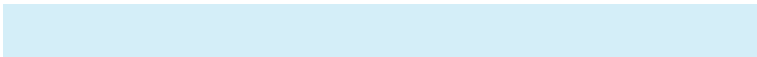
82.5742, 81.7442, 84.0991



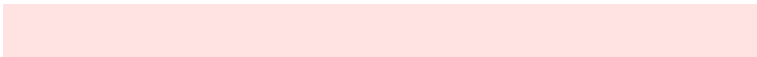
85.4876, 95.0683, 108.4521

# 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.



74.4741, 81.7442, 100.6543



82.5742, 81.7442, 84.0991



72.7899, 81.7442, 86.5139

# Square

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



82.5742, 81.7442, 84.0991



75.9628, 81.7442, 76.0056



73.0127, 81.7442, 94.0992



79.4542, 81.7442, 103.4092

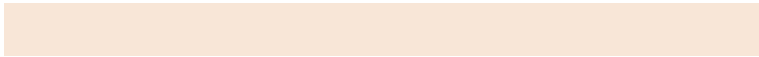


# Rectangle

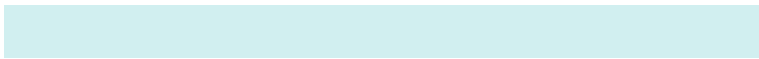
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



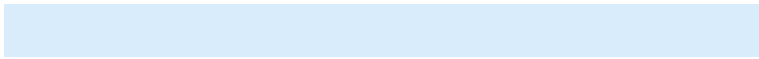
82.5742, 81.7442, 84.0991



79.4437, 81.7442, 75.9959



73.0127, 81.7442, 94.0992



75.9730, 81.7442, 103.4211

# Sweetspot

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



82.5761, 81.7476, 84.1008



91.4509, 94.7336, 101.7446



86.7595, 83.4190, 106.1365



19.3736, 19.9833, 21.3786



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

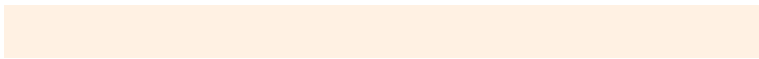
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5761, 81.7476, 84.1008



80.4876, 78.6916, 79.9487



86.5609, 89.7172, 85.4291



18.0097, 17.9876, 18.6671



21.5491, 11.1095, 1.0086

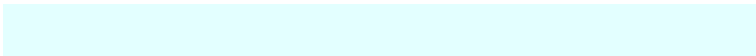


2.0982, 1.0818, 0.0982



# Inverse Universe

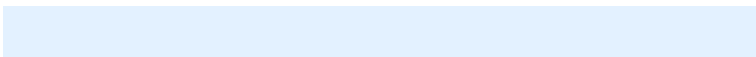
The Inverse Universe completely reimagines the original color for something new.



85.4876, 95.0683, 108.4521



83.8866, 94.2425, 108.3771



81.1846, 86.4622, 107.0177



18.5547, 20.4810, 23.2252



28.1102, 41.1300, 55.8919

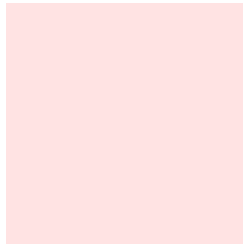


2.7371, 4.0048, 5.4420



# Previews

## White Background



This preview shows how the XYZ color 82.5742, 81.7442, 84.0991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

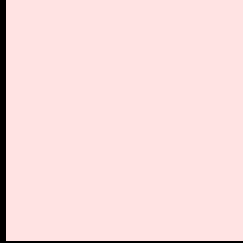
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5742, 81.7442, 84.0991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

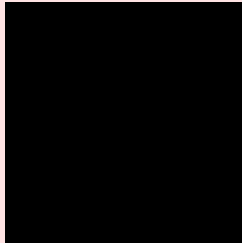
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

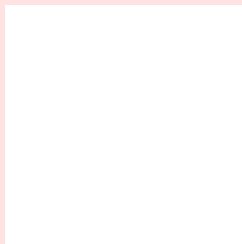
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.5742, 81.7442, 84.0991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.5742, 81.7442, 84.0991.



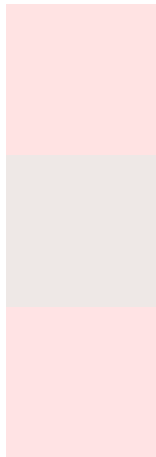
This preview shows how white text looks on a background with the XYZ color 82.5742, 81.7442,



# 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

82.5742, 81.7442, 84.0991

### Protanopia

78.3994, 81.6035, 86.4819

### Deuteranopia

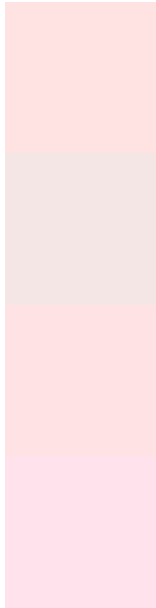
82.7127, 81.7996, 84.8283



## Tritanopia

84.0424, 81.4613, 94.5132

# Trichromacy



## Original Color

82.5742, 81.7442, 84.0991

## Protanomaly

79.7479, 81.4839, 85.6535

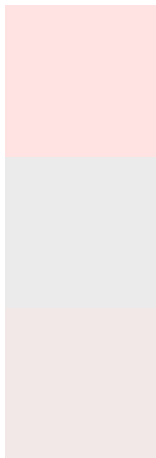
## Deuteranomaly

82.7127, 81.7996, 84.8283

## Tritanomaly

83.5767, 81.7088, 90.7233

# Monochromacy



## Original Color

82.5742, 81.7442, 84.0991

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

80.0401, 82.4167, 88.0334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5742, 81.7442, 84.0991 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, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 227)  
}
```

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, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5742, 81.7442, 84.0991 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, 227, 227) }
```



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

```
.border{ border-color:rgb(255, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5742, 81.7442, 84.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 227) }
```

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

```
.background{ background-color: rgb(255,  
227, 227) }
```

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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