

# Converting Colors

XYZ(87.0929, 83.6637, 85.7304)

Have a look what the booklet for  
XYZ(87.0929, 83.6637, 85.7304)  
contains.

<b>XYZ(82.5792, 81.3099, 85.4707)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.5792, 81.3099,  
85.4707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2E5
RGB	255, 226, 229
RGB Percent	100%, 89%, 90%
CMY	0.0000, 0.1137, 0.1020
CMYK	0.00, 0.11, 0.10, 0.00
HSL	354°, 100%, 94%
HSV	354°, 11%, 100%
XYZ	82.5792, 81.3099, 85.4707
YIQ	235.0130, 16.3210, 7.0810

# Conversions

## Conversions Part 2

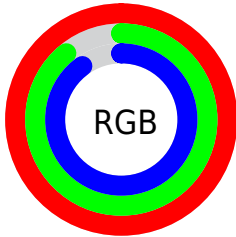
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 226, 229
Decimal	16769765
CIE Lab	92.27, 10.43, 2.18
CIE LCh	92, 10.652, 11.795
Yxy	81.3099, 0.3312, 0.3261
Android (android.graphics.Color)	4294959845 (0xFFFFE2E5)
YUV	235.0130, -2.9644, 17.5286
Hunter-Lab	90.1720, 5.6687, 6.9216

# Details

The XYZ color **82.5792, 81.3099, 85.4707** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.6974, 94.7183, 105.9178**, and the grayscale version is **78.9904, 83.1041, 90.5003**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4916, 44.1876, 46.1758** is the 20% darker color. If you saturate the color by 10%, you get **73.1688, 67.2663, 67.6064**, and if you desaturate by 10%, it is **93.4452, 97.5909, 105.8969**.

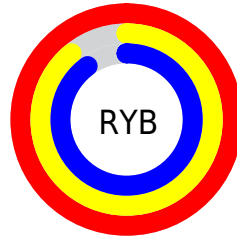
# Distribution



Red (100%)

Green (89%)

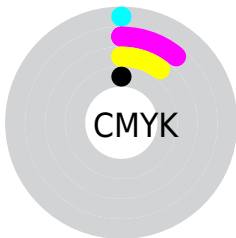
Blue (90%)



Red (100%)

Yellow (89%)

Blue (90%)

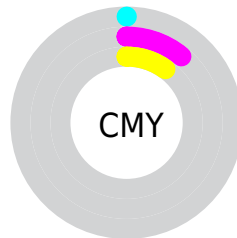


Cyan (0%)

Magenta (11%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5792, 81.3099, 85.4707 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 82.5792, 81.3099, 85.4707 by changing the saturation by 10% instead.




 82.5792, 81.3099,  
85.4707

 82.5792, 81.3099,  
85.4707

492.1882,  
499.3364, 533.3695

 62.1588, 60.7969,  
63.6780


135.9175,  
135.2058, 142.9106

 45.4171, 44.0612,  
45.9454


169.5662,  
169.3575, 179.3949

 31.9888, 30.7187,  
31.8544


208.3550,  
208.8242, 221.6135

 21.5084, 20.3847,  
20.9864

252.6492,  
253.9902, 269.9849

 13.6107, 12.6750,  
12.9229

302.8143,  
305.2401, 324.9276

 7.9303, 7.2051,  
7.2454

359.2156,

 4.1018, 3.5907,

362.9582, 386.8603

3.5353

422.2185,  
427.5288, 456.2014

■ 1.7599, 1.4474,  
1.3740

■ 0.4933, 0.2512,  
0.1213

■ 82.5792, 81.3099,  
85.4707

■ 82.5792, 81.3099,  
85.4707

■ 73.1688, 67.2663,  
67.6064

■ 93.4452, 97.5909,  
105.8969

■ 65.1466, 55.3525,  
52.1979

95.0500, 100.0000,  
108.9000

■ 58.4484, 45.4677,  
39.1392

■ 53.0026, 37.4985,  
28.3146

■ 48.7310, 31.3207,  
19.5984

■ 45.5463, 26.7953,  
12.8527

■ 43.3493, 23.7627,  
7.9227

■ 42.0217, 22.0319,  
4.6305

■ 41.4303, 21.3361,  
2.9322

# Harmonies

## Analogous

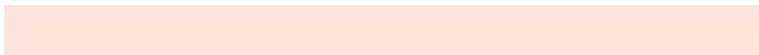
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4193, 81.3099, 93.3522



82.5792, 81.3099, 85.4707



81.2953, 81.3099, 78.8114

# Triad

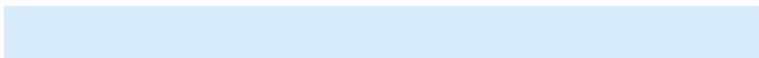
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5792, 81.3099, 85.4707



73.8092, 81.3099, 77.7079



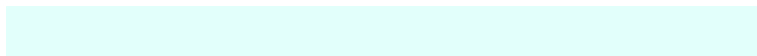
75.6412, 81.3099, 103.7237

# Complementary

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



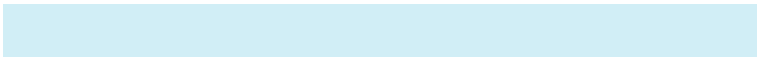
82.5792, 81.3099, 85.4707



84.6974, 94.7183, 105.9178

# Split Complementary

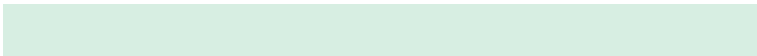
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4042, 81.3099, 99.0221



82.5792, 81.3099, 85.4707



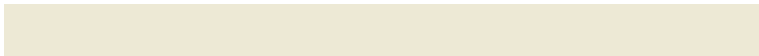
72.3640, 81.3099, 83.8819

# Square

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



82.5792, 81.3099, 85.4707



76.2059, 81.3099, 74.5108



72.2175, 81.3099, 91.6669



78.3694, 81.3099, 104.2118

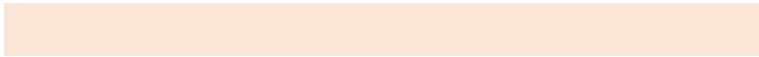


# Rectangle

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



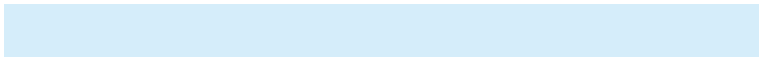
82.5792, 81.3099, 85.4707



79.8107, 81.3099, 75.8373



72.2175, 81.3099, 91.6669



74.8085, 81.3099, 102.5712

# Sweetspot

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



82.5811, 81.3133, 85.4724



91.5730, 94.7818, 102.3894



85.2545, 82.2402, 105.9883



19.4064, 19.9962, 21.5517



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

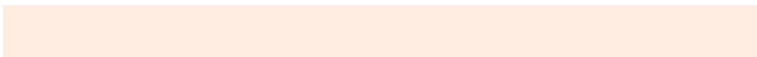
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5811, 81.3133, 85.4724



79.9675, 77.4068, 80.5299



85.2874, 87.3895, 84.3287



18.0856, 18.0176, 19.0680



21.6729, 11.1585, 1.6621



2.1342, 1.0961, 0.2882



# Inverse Universe

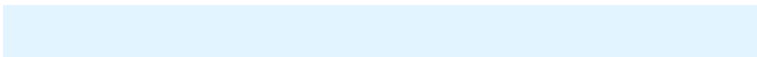
The Inverse Universe completely reimagines the original color for something new.



82.5811, 81.3133, 85.4724



79.9675, 77.4068, 80.5299



81.7323, 88.0224, 107.2900



18.0856, 18.0176, 19.0680



21.6729, 11.1585, 1.6621

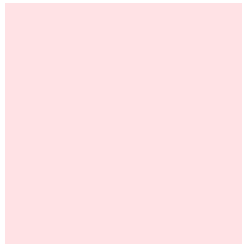


2.1342, 1.0961, 0.2882



# Previews

## White Background



This preview shows how the XYZ color 82.5792, 81.3099, 85.4707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

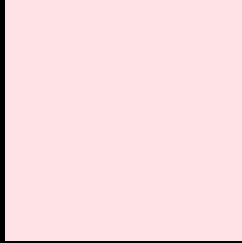
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5792, 81.3099, 85.4707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

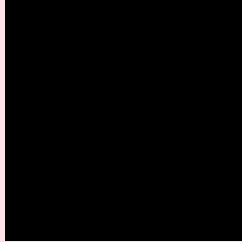
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.5792, 81.3099, 85.4707

## Background



This preview shows how black text looks on a background with the XYZ color 82.5792, 81.3099, 85.4707.



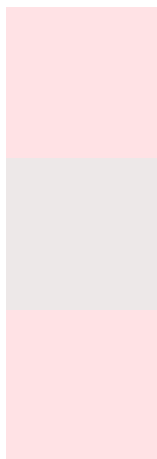
This preview shows how white text looks on a background with the XYZ color 82.5792, 81.3099,

85.4707.

# 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

82.5792, 81.3099, 85.4707

### Protanopia

78.3472, 81.5439, 87.9541

### Deuteranopia

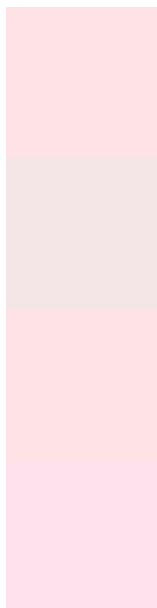
82.5792, 81.3099, 85.4707



## Tritanopia

84.0424, 81.4613, 94.5132

# Trichromacy



## Original Color

82.5792, 81.3099, 85.4707

## Protanomaly

80.0288, 81.5962, 87.1330

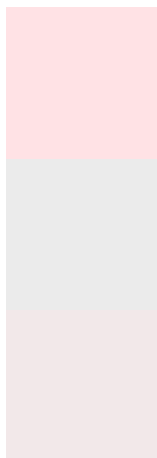
## Deuteranomaly

82.5792, 81.3099, 85.4707

## Tritanomaly

83.4513, 81.2249, 91.4004

# Monochromacy



## Original Color

82.5792, 81.3099, 85.4707

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

80.1825, 82.4737, 88.7837

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5792, 81.3099, 85.4707 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5792, 81.3099, 85.4707 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, 229) }
```



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

```
.border{ border-color:rgb(255, 226, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5792, 81.3099, 85.4707 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
226, 229) }
```

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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