

# Converting Colors

XYZ(120.6641, 100.0000,  
83.7428)

Have a look what the booklet for  
XYZ(120.6641, 100.0000, 83.7428)  
contains.

<b>XYZ(81.0822, 79.4172, 81.5766)</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(81.0822, 79.4172,  
81.5766)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDFE0
RGB	255, 223, 224
RGB Percent	100%, 87%, 88%
CMY	0.0000, 0.1255, 0.1216
CMYK	0.00, 0.13, 0.12, 0.00
HSL	358°, 100%, 94%
HSV	358°, 13%, 100%
XYZ	81.0822, 79.4172, 81.5766
YIQ	232.6820, 18.7510, 7.0950

# Conversions

## Conversions Part 2

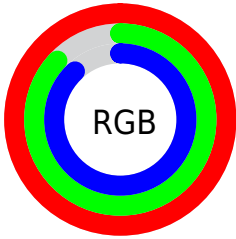
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 223, 224
Decimal	16768992
CIE Lab	91.42, 11.18, 3.56
CIE LCh	91, 11.730, 17.684
Yxy	79.4172, 0.3349, 0.3281
Android (android.graphics.Color)	4294959072 (0xFFFFDFE0)
YUV	232.6820, -4.2802, 19.5729
Hunter-Lab	89.1163, 6.4541, 8.1077

# Details

The XYZ color **81.0822, 79.4172, 81.5766** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.0835, 94.3650, 107.5524**, and the grayscale version is **77.2360, 81.2583, 88.4903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4528, 42.8756, 43.4690** is the 20% darker color. If you saturate the color by 10%, you get **71.6645, 65.5600, 63.0898**, and if you desaturate by 10%, it is **92.0166, 95.5279, 102.9730**.

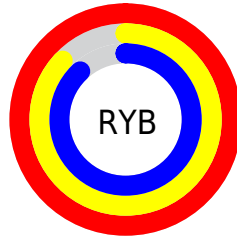
# Distribution



Red (100%)

Green (87%)

Blue (88%)



Red (100%)

Yellow (87%)

Blue (88%)

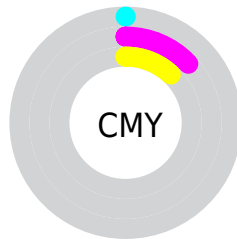


Cyan (0%)

Magenta (13%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0822, 79.4172, 81.5766 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 81.0822, 79.4172, 81.5766 by changing the saturation by 10% instead.




 81.0822, 79.4172,  
81.5766

 81.0822, 79.4172,  
81.5766


487.2536,  
492.9666, 520.0766

 60.9208, 59.2389,  
60.4828

133.8287,  
132.5460, 137.4114

 44.4136, 42.8055,  
43.3801


167.1446,  
166.2653, 172.9896

 31.1951, 29.7325,  
29.8498


205.5760,  
205.2671, 214.2329

 20.9000, 19.6356,  
19.4736

249.4883,  
249.9357, 261.5600

 13.1630, 12.1305,  
11.8327

299.2469,  
300.6556, 315.3894

 7.6186, 6.8326,  
6.5087

355.2171,

 3.9016, 3.3576,

357.8111, 376.1396

3.0830

417.7642,  
421.7866, 444.2291

■ 1.6466, 1.3212,  
1.1372

■ 0.4225, 0.1575,  
0.0000

■ 81.0822, 79.4172,  
81.5766

■ 81.0822, 79.4172,  
81.5766

■ 71.6645, 65.5600,  
63.0898

■ 92.0166, 95.5279,  
102.9730

■ 63.6912, 53.8464,  
47.3823

95.0500, 100.0000,  
108.9000

■ 57.0926, 44.1724,  
34.3213

■ 51.7910, 36.4214,  
23.7611

■ 47.7010, 30.4651,  
15.5421

■ 44.7268, 26.1596,  
9.4861

■ 42.7584, 23.3388,  
5.3896

■ 41.6634, 21.8021,  
3.0102

■ 41.2835, 21.2774,  
2.1589

# Harmonies

## Analogous

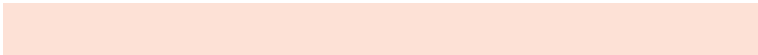
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2281, 79.4172, 90.0239



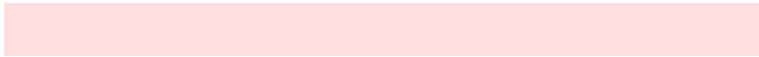
81.0822, 79.4172, 81.5766



79.4119, 79.4172, 74.8834

# Triad

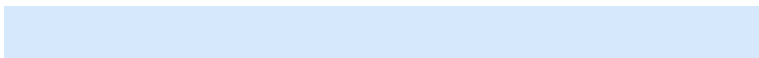
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0822, 79.4172, 81.5766



71.3207, 79.4172, 75.8762



74.2666, 79.4172, 103.5366

# Complementary

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



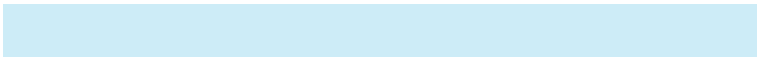
81.0822, 79.4172, 81.5766



84.0835, 94.3650, 107.5524

# 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.



71.6871, 79.4172, 99.1981



81.0822, 79.4172, 81.5766



70.0166, 79.4172, 83.0145

# Square

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



81.0822, 79.4172, 81.5766



73.7545, 79.4172, 71.7444



70.1490, 79.4172, 91.5591



77.2397, 79.4172, 103.0883



# Rectangle

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



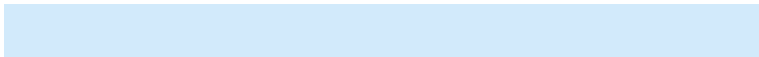
81.0822, 79.4172, 81.5766



77.6830, 79.4172, 72.1461



70.1490, 79.4172, 91.5591



73.3263, 79.4172, 102.5785

# Sweetspot

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



81.0841, 79.4206, 81.5783



90.3313, 93.0436, 99.6784



85.2881, 81.0570, 105.7581



19.1507, 19.6441, 20.9756



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

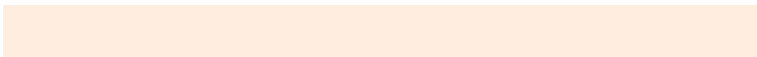
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0841, 79.4206, 81.5783



78.6355, 75.8157, 76.7779



85.1162, 87.7002, 82.2581



18.0323, 17.9962, 18.7872



21.5814, 11.1218, 1.1801



2.1090, 1.0860, 0.1554



# Inverse Universe

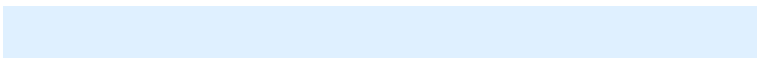
The Inverse Universe completely reimagines the original color for something new.



81.0841, 79.4206, 81.5783



78.6355, 75.8157, 76.7779



79.6639, 85.2701, 106.8678



18.0323, 17.9962, 18.7872



21.5814, 11.1218, 1.1801

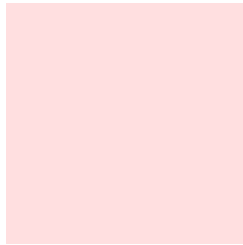


2.1090, 1.0860, 0.1554



# Previews

## White Background



This preview shows how the XYZ color 81.0822, 79.4172, 81.5766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

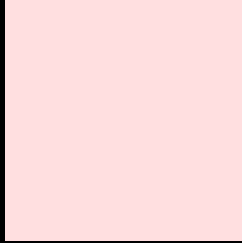
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0822, 79.4172, 81.5766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

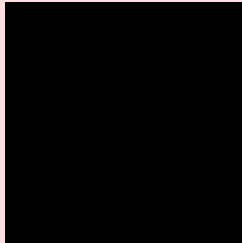
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

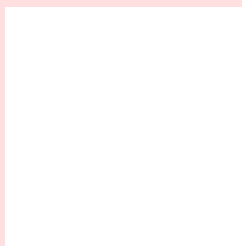
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.0822, 79.4172, 81.5766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.0822, 79.4172, 81.5766.



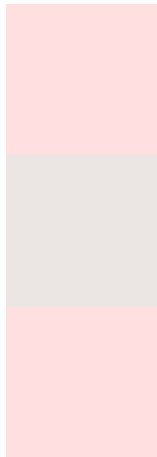
This preview shows how white text looks on a background with the XYZ color 81.0822, 79.4172,

81.5766.

# 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

81.0822, 79.4172, 81.5766

### Protanopia

76.2839, 79.3022, 84.6851

### Deuteranopia

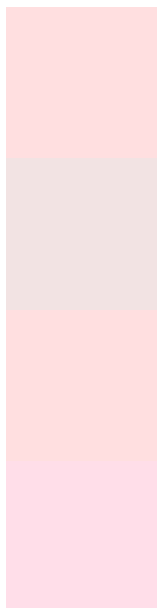
81.0822, 79.4172, 81.5766



## Tritanopia

82.7939, 79.6756, 91.9041

# Trichromacy



## Original Color

81.0822, 79.4172, 81.5766

## Protanomaly

77.9522, 79.3615, 83.8828

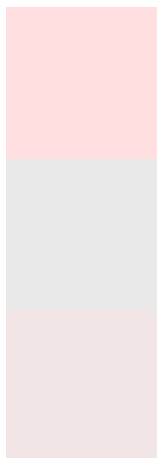
## Deuteranomaly

81.0822, 79.4172, 81.5766

## Tritanomaly

82.0693, 79.3857, 88.0883

# Monochromacy



## Original Color

81.0822, 79.4172, 81.5766

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.5779, 80.4526, 86.2503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0822, 79.4172, 81.5766 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, 223, 224) looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 224)  
}
```

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, 223, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0822, 79.4172, 81.5766 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, 223, 224) }
```



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

```
.border{ border-color:rgb(255, 223, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0822, 79.4172, 81.5766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 224) }
```

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

```
.background{ background-color: rgb(255,  
223, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor