

# Converting Colors

XYZ(117.1798, 97.8179,  
90.2847)

Have a look what the booklet for  
XYZ(117.1798, 97.8179, 90.2847)  
contains.

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# Color

**XYZ(82.4790, 79.9759,  
88.9317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFEA
RGB	255, 223, 234
RGB Percent	100%, 87%, 92%
CMY	0.0000, 0.1255, 0.0823
CMYK	0.00, 0.13, 0.08, 0.00
HSL	339°, 100%, 94%
HSV	339°, 13%, 100%
XYZ	82.4790, 79.9759, 88.9317
YIQ	233.8220, 15.5410, 10.2050

# Conversions

## Conversions Part 2

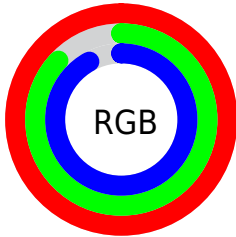
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 223, 234</a>
Decimal	<a href="#">16769002</a>
CIELab	<a href="#">91.67, 12.80, -1.31</a>
CIELCh	<a href="#">92, 12.866, 354.172</a>
Yxy	<a href="#">79.9759, 0.3281, 0.3181</a>
Android (android.graphics.Color)	<a href="#">4294959082</a> ( <a href="#">0xFFFFDFEA</a> )
YUV	<a href="#">233.8220, 0.0878, 18.5731</a>
Hunter-Lab	<a href="#">89.4292, 8.1262, 3.6403</a>

# Details

The XYZ color **82.4790, 79.9759, 88.9317** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.5231, 93.7409, 99.3359**, and the grayscale version is **78.0649, 82.1304, 89.4400**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3272, 43.2254, 48.0738** is the 20% darker color. If you saturate the color by 10%, you get **73.8803, 66.4463, 74.7582**, and if you desaturate by 10%, it is **92.3345, 95.6549, 104.6470**.

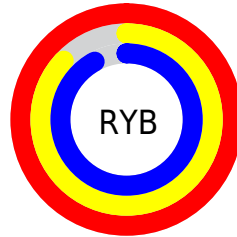
# Distribution



Red (100%)

Green (87%)

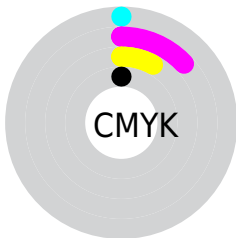
Blue (92%)



Red (100%)

Yellow (87%)

Blue (92%)

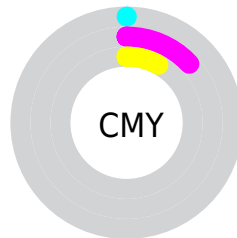


Cyan (0%)

Magenta (13%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4790, 79.9759, 88.9317 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 82.4790, 79.9759, 88.9317 by changing the saturation by 10% instead.




 82.4790, 79.9759,  
88.9317

 82.4790, 79.9759,  
88.9317


491.8588,  
494.8516, 545.0297

 62.0759, 59.6985,  
66.5262


135.7778,  
133.3318, 147.7761

 45.3499, 43.1757,  
48.2405


169.4043,  
167.1792, 185.0521

 31.9355, 30.0230,  
33.6561


208.1692,  
206.3187, 228.1221

 21.4676, 19.8560,  
22.3543

252.4380,  
251.1347, 277.4045

 13.5806, 12.2904,  
13.9167

302.5760,  
302.0116, 333.3179

 7.9093, 6.9418,  
7.9246

358.9486,

 4.0883, 3.4257,

359.3338, 396.2809

3.9597

421.9210,  
423.4856, 466.7120

■ 1.7522, 1.3578,  
1.6032

■ 0.4886, 0.1853,  
0.2931

■ 82.4790, 79.9759,  
88.9317

■ 82.4790, 79.9759,  
88.9317

■ 73.8803, 66.4463,  
74.7582

■ 92.3345, 95.6549,  
104.6470

■ 66.4809, 54.9623,  
62.0731

95.0500, 100.0000,  
108.9000

■ 60.2271, 45.4261,  
50.8273

■ 55.0584, 37.7283,  
40.9669

■ 50.9088, 31.7482,  
32.4343

■ 47.7046, 27.3507,  
25.1672

■ 45.3616, 24.3801,  
19.0976

■ 43.7786, 22.6482,  
14.1490

■ 42.9864, 21.9586,  
11.1267

# Harmonies

## Analogous

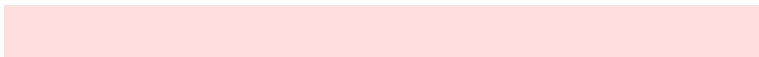
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2564, 79.9759, 98.1142



82.4790, 79.9759, 88.9317



81.9294, 79.9759, 79.8748

# Triad

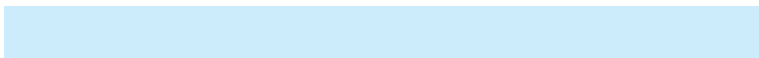
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4790, 79.9759, 88.9317



73.4553, 79.9759, 71.5845



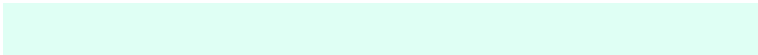
72.3738, 79.9759, 102.6000

# Complementary

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



82.4790, 79.9759, 88.9317



82.5231, 93.7409, 99.3359

# 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.



70.3917, 79.9759, 94.7063



82.4790, 79.9759, 88.9317



71.0034, 79.9759, 76.9061

# Square

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



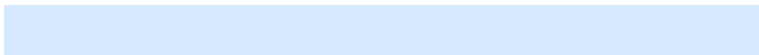
82.4790, 79.9759, 88.9317



76.6585, 79.9759, 70.2815



69.8973, 79.9759, 85.2545



75.3745, 79.9759, 106.3626

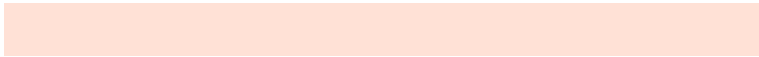


# Rectangle

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



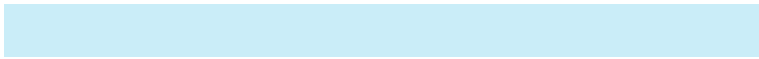
82.4790, 79.9759, 88.9317



80.6399, 79.9759, 75.0635



69.8973, 79.9759, 85.2545



71.5698, 79.9759, 100.3154

# Sweetspot

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



82.4808, 79.9792, 88.9334



90.8227, 93.2402, 102.2659



81.6789, 79.1963, 105.5892



19.2746, 19.6936, 21.6281



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

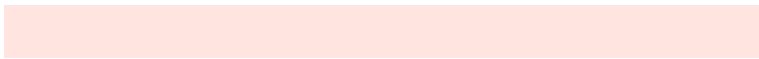
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4808, 79.9792, 88.9334



80.2567, 76.4642, 85.3151



82.2499, 81.9677, 81.3026



18.2670, 18.0901, 20.0233



22.5241, 11.4990, 6.1446



2.2421, 1.1392, 0.8562



# Inverse Universe

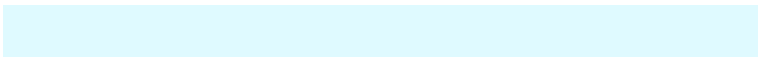
The Inverse Universe completely reimagines the original color for something new.



82.4808, 79.9792, 88.9334



80.2567, 76.4642, 85.3151



82.7314, 91.4051, 107.8903



18.2670, 18.0901, 20.0233



22.5241, 11.4990, 6.1446

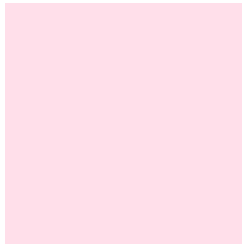


2.2421, 1.1392, 0.8562



# Previews

## White Background



This preview shows how the XYZ color 82.4790, 79.9759, 88.9317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

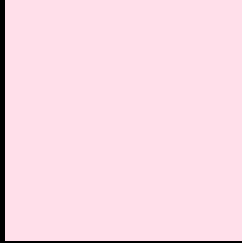
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.4790, 79.9759, 88.9317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

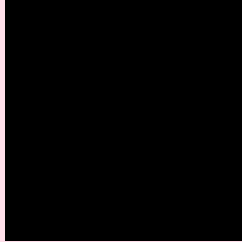
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.4790, 79.9759, 88.9317**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.4790, 79.9759, 88.9317.



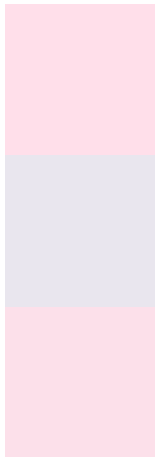
This preview shows how white text looks on a background with the XYZ color 82.4790, 79.9759,



# 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

82.4790, 79.9759, 88.9317

### Protanopia

77.3337, 80.0903, 92.2720

### Deuteranopia

81.6518, 79.9473, 88.9698



## Tritanopia

82.9413, 79.7345, 92.6802

# Trichromacy



## Original Color

82.4790, 79.9759, 88.9317

## Protanomaly

79.0308, 79.7534, 91.3493

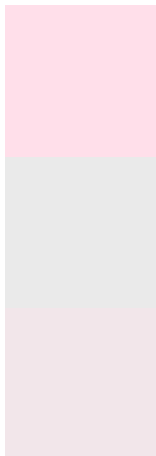
## Deuteranomaly

82.0150, 80.1345, 88.9867

## Tritanomaly

82.6473, 79.6170, 91.1324

# Monochromacy



## Original Color

82.4790, 79.9759, 88.9317

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.7660, 81.4114, 89.3517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4790, 79.9759, 88.9317 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, 234) looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4790, 79.9759, 88.9317 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, 234) }
```



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

```
.border{ border-color:rgb(255, 223, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.4790, 79.9759, 88.9317 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
223, 234) }
```

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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