

# Converting Colors

XYZ(78.8287, 78.2509, 79.3558)

Have a look what the booklet for  
XYZ(78.8287, 78.2509, 79.3558)  
contains.

<b>XYZ(78.8632, 78.3198, 79.3673)</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(78.8632, 78.3198,  
79.3673)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FADFDD
RGB	250, 223, 221
RGB Percent	98%, 87%, 87%
CMY	0.0196, 0.1255, 0.1333
CMYK	0.00, 0.11, 0.12, 0.02
HSL	4°, 74%, 92%
HSV	4°, 12%, 98%
XYZ	78.8632, 78.3198, 79.3673
YIQ	230.8450, 16.7340, 5.1020

# Conversions

## Conversions Part 2

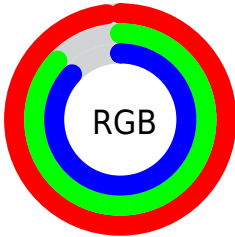
Format	Color
R <sub>Y</sub> B	250, 223, 221
Decimal	16441309
CIE Lab	90.93, 8.95, 4.36
CIE LCh	91, 9.958, 25.972
Yxy	78.3198, 0.3334, 0.3311
Android (android.graphics.Color)	4294631389 (0xFFFAFDFF)
YUV	230.8450, -4.8536, 16.7989
Hunter-Lab	88.4985, 4.1935, 8.7764

# Details

The XYZ color **78.8632, 78.3198, 79.3673** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.6412, 89.4074, 103.4506**, and the grayscale version is **75.8685, 79.8195, 86.9235**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8779, 42.0959, 41.9418** is the 20% darker color. If you saturate the color by 10%, you get **69.9814, 65.4951, 61.1788**, and if you desaturate by 10%, it is **89.1000, 93.0590, 100.4562**.

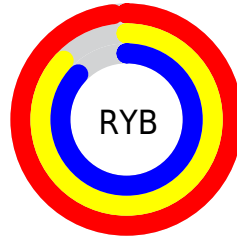
# Distribution



Red (98%)

Green (87%)

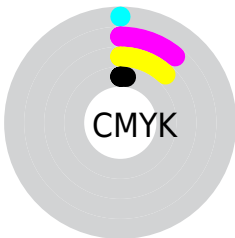
Blue (87%)



Red (98%)

Yellow (87%)

Blue (87%)

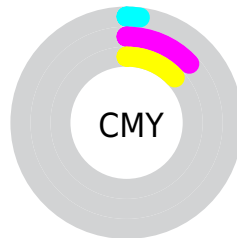


Cyan (0%)

Magenta (11%)

Yellow (12%)

Black (2%)



Cyan (2%)

Magenta (13%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8632, 78.3198, 79.3673 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 78.8632, 78.3198, 79.3673 by changing the saturation by 10% instead.




 78.8632, 78.3198,  
79.3673

 78.8632, 78.3198,  
79.3673


479.8885,  
489.2522, 512.4485

 59.0886, 58.3367,  
58.6747


130.7252,  
131.0008, 134.2792

 42.9311, 42.0794,  
41.9331

163.5433,  
164.4676, 169.3356

 30.0253, 29.1635,  
28.7237


201.4399,  
203.1977, 210.0170

 20.0060, 19.2045,  
18.6281

244.7804,  
247.5755, 256.7420

 12.5077, 11.8182,  
11.2278

293.9302,  
297.9855, 309.9291

 7.1651, 6.6200,  
6.1042

349.2546,

 3.6128, 3.2256,

354.8120, 369.9968

2.8387

411.1189,  
418.4395, 437.3638

■ 1.4855, 1.2506,  
1.0129

■ 0.3159, 0.1025,  
0.0000

■ 78.8632, 78.3198,  
79.3673

■ 78.8632, 78.3198,  
79.3673

■ 69.9814, 65.4951,  
61.1788

■ 89.1000, 93.0590,  
100.4562

■ 62.3916, 54.4965,  
45.7592

■ 93.2348, 99.0642,  
108.8150

■ 56.0354, 45.2441,  
32.9742

■ 50.8476, 37.6479,  
22.6763

■ 46.7569, 31.6103,  
14.7036

■ 43.6840, 27.0229,  
8.8749

■ 41.5390, 23.7637,  
4.9824

■ 40.2164, 21.6908,  
2.7766

■ 39.6296, 20.7338,  
1.9133

# Harmonies

## Analogous

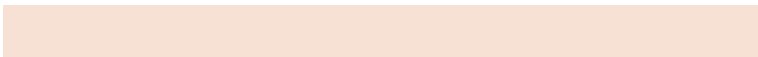
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3583, 78.3198, 86.2513



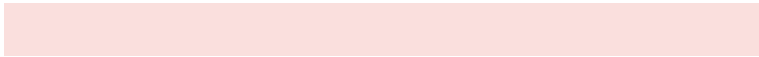
78.8632, 78.3198, 79.3673



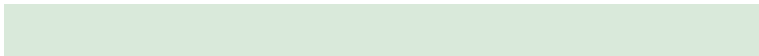
77.1735, 78.3198, 74.3295

# Triad

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



78.8632, 78.3198, 79.3673



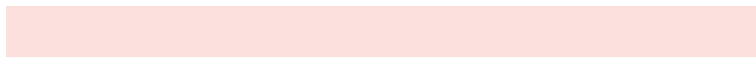
70.5129, 78.3198, 77.7755



74.1022, 78.3198, 99.8175

# Complementary

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



78.8632, 78.3198, 79.3673



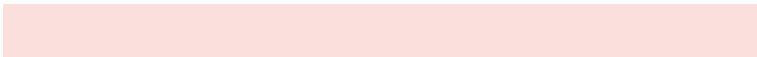
80.6412, 89.4074, 103.4506

# 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.



71.7730, 78.3198, 97.2497



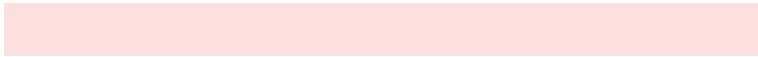
78.8632, 78.3198, 79.3673



69.7305, 78.3198, 84.3100

# Square

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



78.8632, 78.3198, 79.3673



72.3475, 78.3198, 73.4474



70.1866, 78.3198, 91.4729

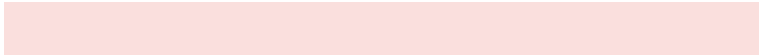


76.5737, 78.3198, 98.3130



# Rectangle

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



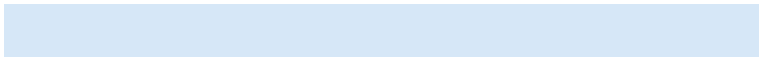
78.8632, 78.3198, 79.3673



75.6163, 78.3198, 72.5607



70.1866, 78.3198, 91.4729



73.2772, 78.3198, 99.3983

# Sweetspot

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



78.8654, 78.3233, 79.3690



91.6127, 95.0573, 101.7985



82.2354, 78.8195, 99.7416



19.4170, 20.0702, 21.3931



0.0000, 0.0000, 0.0000

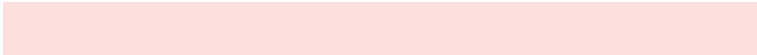


20.3446, 21.4041, 23.3091

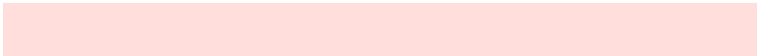


# Same Dimension

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



78.8654, 78.3233, 79.3690



80.1253, 78.5094, 78.1559



82.8863, 86.3651, 80.7093



17.3409, 17.4177, 17.9104



21.0564, 11.0694, 1.0268



1.9827, 1.0903, 0.1059

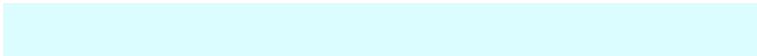


# Inverse Universe

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



80.6412, 89.4074, 103.4506



82.3316, 92.2824, 108.0807



76.3748, 80.8746, 102.0284



17.6571, 19.3910, 22.1975



24.6111, 34.5777, 53.3506

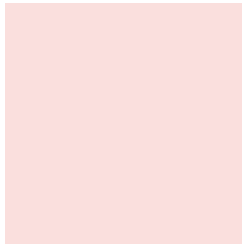


2.3094, 3.2624, 4.9512



# Previews

## White Background



This preview shows how the XYZ color 78.8632, 78.3198, 79.3673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

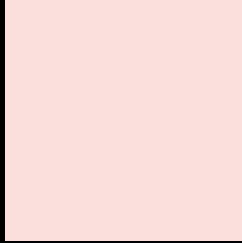
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8632, 78.3198, 79.3673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

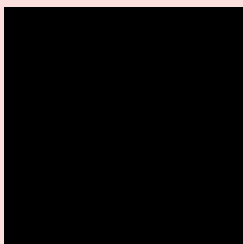
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.8632, 78.3198, 79.3673**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8632, 78.3198, 79.3673.



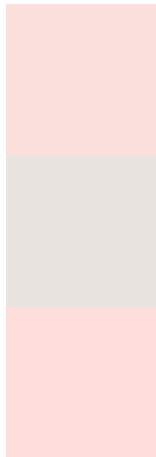
This preview shows how white text looks on a background with the XYZ color 78.8632, 78.3198,

79.3673.

# 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

78.8632, 78.3198, 79.3673

### Protanopia

75.1296, 78.3610, 81.6864

### Deuteranopia

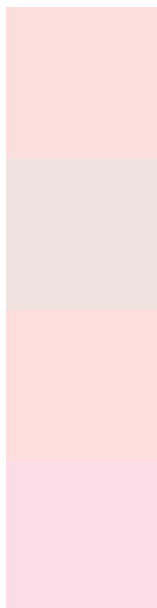
79.7806, 78.0042, 79.2580



## Tritanopia

81.1707, 78.0549, 91.6769

# Trichromacy



## Original Color

78.8632, 78.3198, 79.3673

## Protanomaly

76.4508, 78.2457, 80.8856

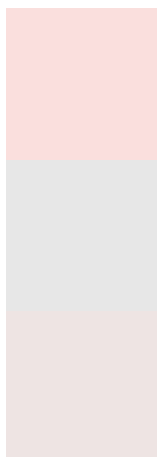
## Deuteranomaly

79.6804, 78.3457, 79.3292

## Tritanomaly

80.2056, 78.0483, 87.1815

# Monochromacy



## Original Color

78.8632, 78.3198, 79.3673

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.8684, 79.2100, 83.9107

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8632, 78.3198, 79.3673 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(250, 223, 221) looks like.

```
.text, #text, p{  
    color:rgb(250, 223, 221)  
}
```

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(250, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 223, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8632, 78.3198, 79.3673 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(250, 223, 221) }
```



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

```
.border{ border-color:rgb(250, 223, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 223, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(250, 223,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8632, 78.3198, 79.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 223, 221) }
```

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

```
.background{ background-color: rgb(250,  
223, 221) }
```

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