

# Converting Colors

XYZ(120.4732, 100.0000,  
77.2208)

Have a look what the booklet for  
XYZ(120.4732, 100.0000, 77.2208)  
contains.

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# Color

**XYZ(79.8934, 78.9416,  
75.3164)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDFD7
RGB	255, 223, 215
RGB Percent	100%, 87%, 84%
CMY	0.0000, 0.1255, 0.1569
CMYK	0.00, 0.13, 0.16, 0.00
HSL	12°, 100%, 92%
HSV	12°, 16%, 100%
XYZ	79.8934, 78.9416, 75.3164
YIQ	231.6560, 21.6400, 4.2960

# Conversions

## Conversions Part 2

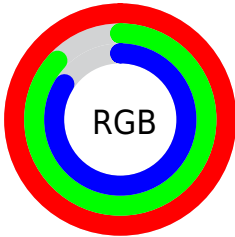
Format	Color
R <sub>Y</sub> B	255, 225, 215
Decimal	16768983
CIE Lab	91.21, 9.77, 7.96
CIE LCh	91, 12.606, 39.175
Yxy	78.9416, 0.3412, 0.3371
Android (android.graphics.Color)	4294959063 (0xFFFFDFD7)
YUV	231.6560, -8.2114, 20.4727
Hunter-Lab	88.8491, 5.0219, 11.9349

# Details

The XYZ color **79.8934, 78.9416, 75.3164** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.3342, 88.1861, 107.4480**, and the grayscale version is **76.4943, 80.4779, 87.6405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6365, 42.5491, 39.1706** is the 20% darker color. If you saturate the color by 10%, you get **71.7436, 67.4834, 57.6744**, and if you desaturate by 10%, it is **89.2142, 91.9238, 95.8703**.

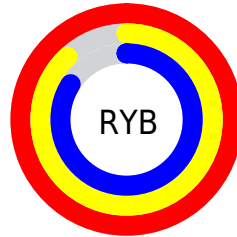
# Distribution



Red (100%)

Green (87%)

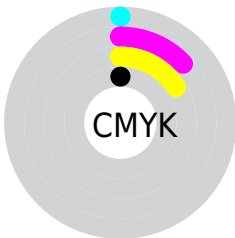
Blue (84%)



Red (100%)

Yellow (88%)

Blue (84%)



Cyan (0%)

Magenta (13%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8934, 78.9416, 75.3164 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 79.8934, 78.9416, 75.3164 by changing the saturation by 10% instead.




 79.8934, 78.9416,  
75.3164

 79.8934, 78.9416,  
75.3164


483.3155,  
491.3588, 498.2888

 59.9388, 58.8478,  
55.3688


132.1672,  
131.8766, 128.5114

 43.6186, 42.4906,  
39.2965


165.2170,  
165.4867, 162.5958

 30.5674, 29.4856,  
26.6809


203.3627,  
204.3709, 202.2297

 20.4199, 19.4485,  
17.1034

246.9695,  
248.9137, 247.8315

 12.8106, 11.9948,  
10.1455

296.4029,  
299.4995, 299.8198

 7.3744, 6.7401,  
5.3887

352.0281,

 3.7457, 3.3001,

356.5127, 358.6130

2.4144

414.2105,  
420.3376, 424.6299

■ 1.5593, 1.2904,  
0.7942

■ 0.3657, 0.1337,  
0.0000

■ 79.8934, 78.9416,  
75.3164

■ 79.8934, 78.9416,  
75.3164

■ 71.7436, 67.4834,  
57.6744

■ 89.2142, 91.9238,  
95.8703

■ 64.7124, 57.4832,  
42.8074

95.0500, 100.0000,  
108.9000

■ 58.7516, 48.8851,  
30.5748

■ 53.8074, 41.6256,  
20.8219

■ 49.8208, 35.6362,  
13.3773

■ 46.7268, 30.8424,  
8.0481

■ 44.4515, 27.1611,  
4.6093

■ 42.9074, 24.4981,  
2.7838

■ 42.4252, 23.6303,  
2.3251

# Harmonies

## Analogous

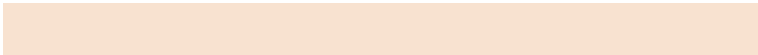
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2585, 78.9416, 83.1801



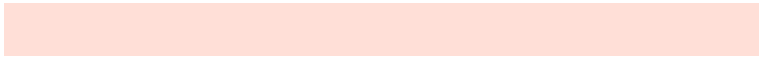
79.8934, 78.9416, 75.3164



77.2360, 78.9416, 70.5419

# Triad

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



79.8934, 78.9416, 75.3164



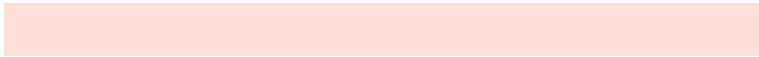
69.4372, 78.9416, 79.8521



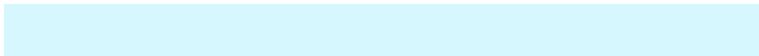
76.0151, 78.9416, 104.5107

# Complementary

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



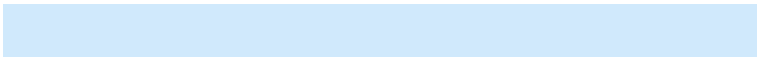
79.8934, 78.9416, 75.3164



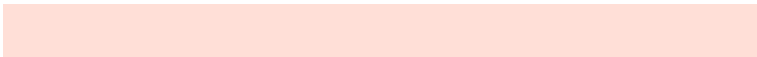
79.3342, 88.1861, 107.4480

# 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.



72.8696, 78.9416, 103.4617



79.8934, 78.9416, 75.3164



69.1313, 78.9416, 88.7888

# Square

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



79.8934, 78.9416, 75.3164



71.2190, 78.9416, 73.0287



70.3712, 78.9416, 97.5488

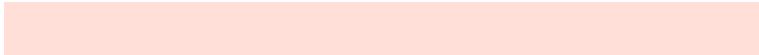


78.9779, 78.9416, 100.3209

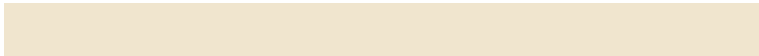


# Rectangle

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



79.8934, 78.9416, 75.3164



75.1200, 78.9416, 69.5412



70.3712, 78.9416, 97.5488



74.9433, 78.9416, 104.7652

# Sweetspot

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



79.8952, 78.9450, 75.3180



89.8970, 92.8706, 97.3891



82.3294, 76.5771, 98.4376



19.0919, 19.6705, 20.5121



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

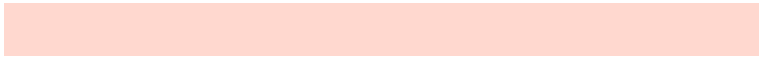


# Same Dimension

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



79.8952, 78.9450, 75.3180



77.0664, 74.9808, 69.1543



85.5567, 90.2679, 77.2052



18.3037, 18.5755, 18.7651



22.2507, 12.5125, 1.2424

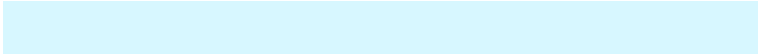


2.2390, 1.3633, 0.1451

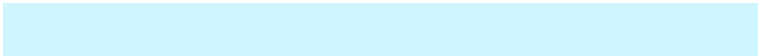


# Inverse Universe

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



79.3342, 88.1861, 107.4480



76.4011, 85.9097, 107.1632



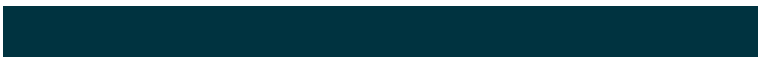
73.5442, 76.6061, 105.5180



18.2279, 19.8275, 23.1163



20.8190, 26.5476, 53.4615

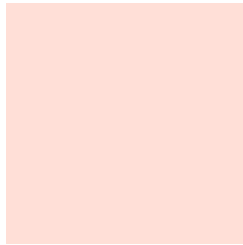


2.1018, 2.7343, 5.2303



# Previews

## White Background



This preview shows how the XYZ color 79.8934, 78.9416, 75.3164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

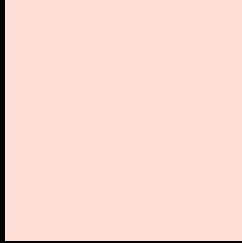
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8934, 78.9416, 75.3164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

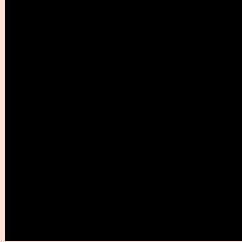
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.8934, 78.9416, 75.3164

## Background



This preview shows how black text looks on a background with the XYZ color 79.8934, 78.9416, 75.3164.



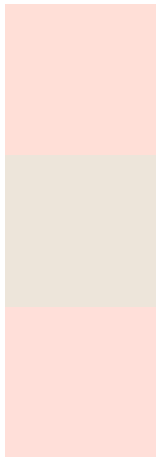
This preview shows how white text looks on a background with the XYZ color 79.8934, 78.9416,

75.3164.

# 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

79.8934, 78.9416, 75.3164

### Protanopia

75.5993, 79.1051, 77.6140

### Deuteranopia

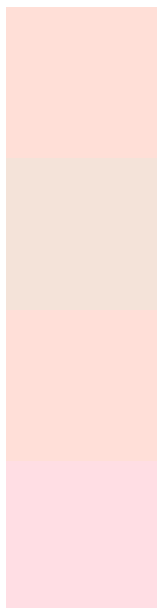
80.1521, 79.0451, 76.6784



## Tritanopia

82.2368, 79.0290, 90.2767

# Trichromacy



## Original Color

79.8934, 78.9416, 75.3164

## Protanomaly

77.3017, 79.1810, 76.8549

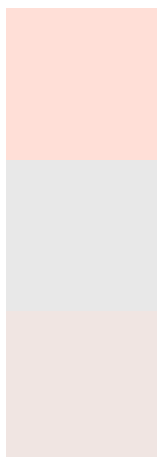
## Deuteranomaly

80.0223, 78.9932, 75.9953

## Tritanomaly

81.3649, 79.1040, 84.3790

# Monochromacy



## Original Color

79.8934, 78.9416, 75.3164

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.6820, 80.0549, 83.3094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8934, 78.9416, 75.3164 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8934, 78.9416, 75.3164 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, 215) }
```



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

```
.border{ border-color:rgb(255, 223, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8934, 78.9416, 75.3164 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
223, 215) }
```

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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