

# Converting Colors

XYZ(87.5348, 82.8751, 74.6687)

Have a look what the booklet for  
XYZ(87.5348, 82.8751, 74.6687)  
contains.

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# **Color**

**XYZ(79.7653, 78.8904,  
74.6416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFD6
RGB	255, 223, 214
RGB Percent	100%, 87%, 84%
CMY	0.0000, 0.1255, 0.1608
CMYK	0.00, 0.13, 0.16, 0.00
HSL	13°, 100%, 92%
HSV	13°, 16%, 100%
XYZ	79.7653, 78.8904, 74.6416
YIQ	231.5420, 21.9610, 3.9850

# Conversions

## Conversions Part 2

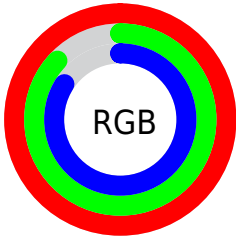
Format	Color
R <sub>Y</sub> B	255, 226, 214
Decimal	16768982
CIE Lab	91.18, 9.62, 8.45
CIE LCh	91, 12.807, 41.305
Yxy	78.8904, 0.3419, 0.3382
Android (android.graphics.Color)	4294959062 (0xFFFFDFD6)
YUV	231.5420, -8.6482, 20.5727
Hunter-Lab	88.8203, 4.8670, 12.3488

# Details

The XYZ color **79.7653, 78.8904, 74.6416** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.7364, 87.4252, 107.3326**, and the grayscale version is **76.4122, 80.3916, 87.5464**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5493, 42.5142, 38.7117** is the 20% darker color. If you saturate the color by 10%, you get **71.7524, 67.6748, 57.1417**, and if you desaturate by 10%, it is **88.9166, 91.5664, 95.0381**.

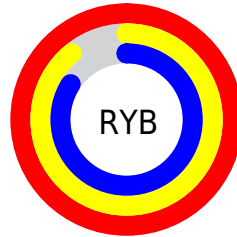
# Distribution



Red (100%)

Green (87%)

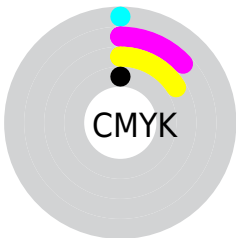
Blue (84%)



Red (100%)

Yellow (89%)

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 79.7653, 78.8904, 74.6416 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 79.7653, 78.8904, 74.6416 by changing the saturation by 10% instead.




 79.7653, 78.8904,  
74.6416

 79.7653, 78.8904,  
74.6416


482.8901,  
491.1855, 495.9073

 59.8330, 58.8057,  
54.8194


131.9880,  
131.8046, 127.5473

 43.5330, 42.4567,  
38.8595


165.0091,  
165.4028, 161.4679

 30.4999, 29.4591,  
26.3434


203.1239,  
204.2744, 200.9250

 20.3683, 19.4284,  
16.8527

246.6976,  
248.8036, 246.3372

 12.7728, 11.9802,  
9.9687

296.0958,  
299.3749, 298.1229

 7.3482, 6.7302,  
5.2729

351.6837,

 3.7291, 3.2940,

356.3728, 356.7009

2.3467

413.8267,  
420.1815, 422.4895

■ 1.5500, 1.2871,  
0.7572

■ 0.3595, 0.1312,  
0.0000

■ 79.7653, 78.8904,  
74.6416

■ 79.7653, 78.8904,  
74.6416

■ 71.7524, 67.6748,  
57.1417

■ 88.9166, 91.5664,  
95.0381

■ 64.8273, 57.8570,  
42.4018

95.0500, 100.0000,  
108.9000

■ 58.9434, 49.3845,  
30.2815

■ 54.0486, 42.1977,  
20.6260

■ 50.0863, 36.2326,  
13.2642

■ 46.9935, 31.4192,  
8.0028

■ 44.6988, 27.6801,  
4.6163

■ 43.1176, 24.9274,  
2.8261

■ 42.6545, 24.0889,  
2.4015

# Harmonies

## Analogous

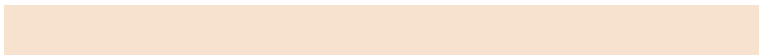
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2652, 78.8904, 82.4447



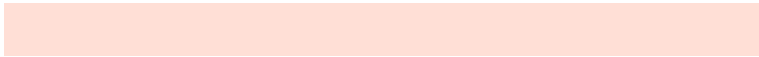
79.7653, 78.8904, 74.6416



76.9994, 78.8904, 70.0685

# Triad

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



79.7653, 78.8904, 74.6416



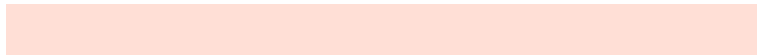
69.2302, 78.8904, 80.3005



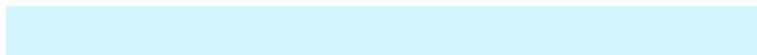
76.2120, 78.8904, 104.6267

# Complementary

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



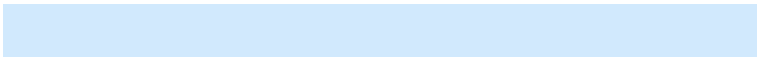
79.7653, 78.8904, 74.6416



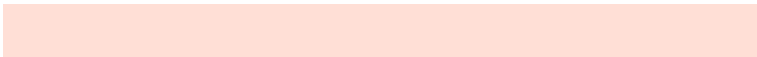
78.7364, 87.4252, 107.3326

# 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.



73.0020, 78.8904, 103.9488



79.7653, 78.8904, 74.6416



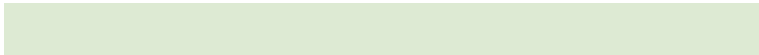
69.0331, 78.8904, 89.4469

# Square

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



79.7653, 78.8904, 74.6416



70.9419, 78.8904, 73.1695



70.3957, 78.8904, 98.2333

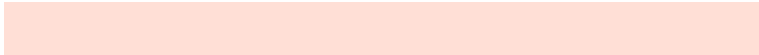


79.1746, 78.8904, 100.0237



# Rectangle

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



79.7653, 78.8904, 74.6416



74.8410, 78.8904, 69.2532



70.3957, 78.8904, 98.2333



75.1251, 78.8904, 105.0171

# Sweetspot

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



79.7671, 78.8938, 74.6432



89.9722, 93.0211, 97.4142



81.9395, 76.0150, 97.6367



19.1101, 19.7069, 20.5182



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

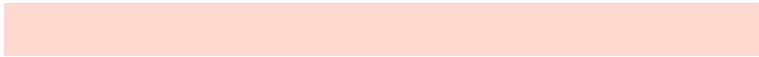


# Same Dimension

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



79.7671, 78.8938, 74.6432



77.3097, 75.4673, 69.2354



85.5434, 90.4463, 76.5687



18.3328, 18.6338, 18.7748



22.3769, 12.7651, 1.2845

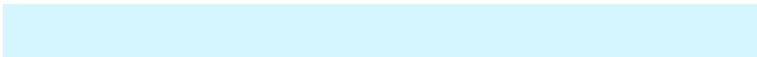


2.2552, 1.3957, 0.1505

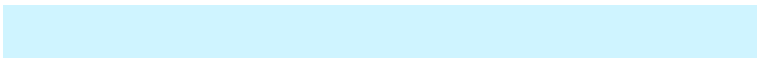


# Inverse Universe

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



78.7364, 87.4252, 107.3326



76.1153, 85.3382, 107.0680



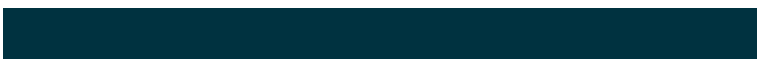
72.8746, 75.7015, 105.3787



18.1965, 19.7646, 23.1058



20.2178, 25.3453, 53.2611

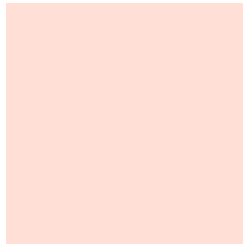


2.0482, 2.6271, 5.2124



# Previews

## White Background



This preview shows how the XYZ color 79.7653, 78.8904, 74.6416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

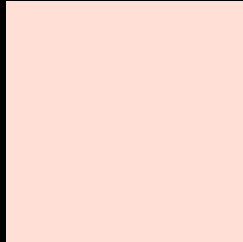
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7653, 78.8904, 74.6416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

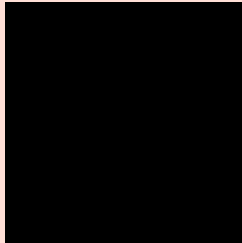
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.7653, 78.8904, 74.6416**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7653, 78.8904, 74.6416.



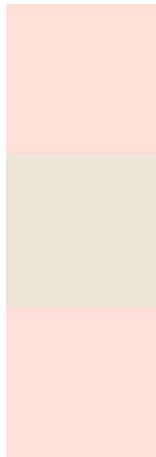
This preview shows how white text looks on a background with the XYZ color 79.7653, 78.8904,



# 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

79.7653, 78.8904, 74.6416

### Protanopia

75.4687, 79.0529, 76.9267

### Deuteranopia

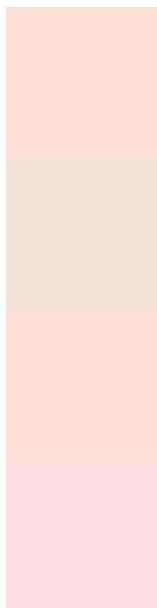
80.0223, 78.9932, 75.9953



## Tritanopia

82.2368, 79.0290, 90.2767

# Trichromacy



## Original Color

79.7653, 78.8904, 74.6416

## Protanomaly

77.1720, 79.1291, 76.1718

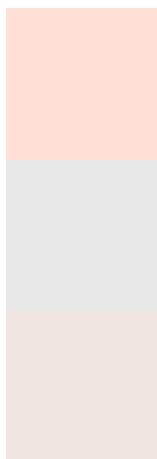
## Deuteranomaly

79.8934, 78.9416, 75.3164

## Tritanomaly

81.3649, 79.1040, 84.3790

# Monochromacy



## Original Color

79.7653, 78.8904, 74.6416

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.5451, 80.0001, 82.5887

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7653, 78.8904, 74.6416 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, 214) looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7653, 78.8904, 74.6416 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, 214) }
```



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

```
.border{ border-color:rgb(255, 223, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7653, 78.8904, 74.6416 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
223, 214) }
```

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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