

# Converting Colors

XYZ(92.9238, 85.9200, 80.0650)

Have a look what the booklet for  
XYZ(92.9238, 85.9200, 80.0650)  
contains.

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# Color

**XYZ(80.9468, 79.7918,  
79.5416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0DD
RGB	255, 224, 221
RGB Percent	100%, 88%, 87%
CMY	0.0000, 0.1215, 0.1333
CMYK	0.00, 0.12, 0.13, 0.00
HSL	5°, 100%, 93%
HSV	5°, 13%, 100%
XYZ	80.9468, 79.7918, 79.5416
YIQ	232.9270, 19.4390, 5.6390

# Conversions

## Conversions Part 2

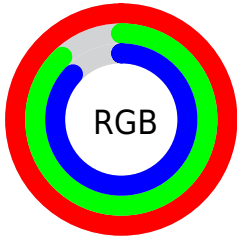
Format	Color
R <sub>Y</sub> B	255, 224, 221
Decimal	16769245
CIE Lab	91.59, 10.18, 5.38
CIE LCh	92, 11.517, 27.832
Yxy	79.7918, 0.3369, 0.3321
Android (android.graphics.Color)	4294959325 (0xFFFFE0DD)
YUV	232.9270, -5.8800, 19.3580
Hunter-Lab	89.3263, 5.4344, 9.7329

# Details

The XYZ color **80.9468, 79.7918, 79.5416** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.6782, 92.2103, 108.0485**, and the grayscale version is **77.4315, 81.4639, 88.7142**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3596, 43.1349, 42.0643** is the 20% darker color. If you saturate the color by 10%, you get **71.9778, 66.8842, 61.0439**, and if you desaturate by 10%, it is **91.2897, 94.6208, 101.0451**.

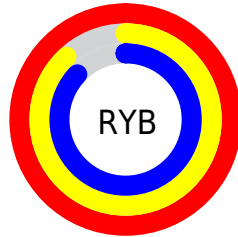
# Distribution



Red (100%)

Green (88%)

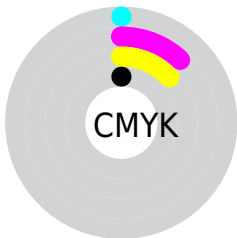
Blue (87%)



Red (100%)

Yellow (88%)

Blue (87%)

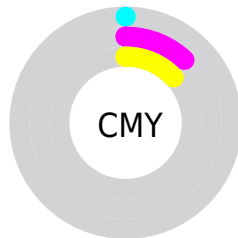


Cyan (0%)

Magenta (12%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9468, 79.7918, 79.5416 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 80.9468, 79.7918, 79.5416 by changing the saturation by 10% instead.




 80.9468, 79.7918,  
79.5416

 80.9468, 79.7918,  
79.5416


486.8060,  
494.2309, 513.0526

 60.8089, 59.5470,  
58.8173


133.6396,  
133.0730, 134.5266

 44.3229, 43.0536,  
42.0470

166.9253,  
166.8782, 169.6244

 31.1235, 29.9272,  
28.8122


205.3242,  
205.9723, 210.3504

 20.8452, 19.7833,  
18.6945

249.2018,  
250.7398, 257.1231

 13.1227, 12.2377,  
11.2752

298.9235,  
301.5650, 310.3612

 7.5907, 6.9057,  
6.1357

354.8545,

 3.8837, 3.4032,

358.8323, 370.4831

2.8577

417.3602,  
422.9262, 437.9074

■ 1.6366, 1.3457,  
1.0224

■ 0.4161, 0.1762,  
0.0000

■ 80.9468, 79.7918,  
79.5416

■ 80.9468, 79.7918,  
79.5416

■ 71.9778, 66.8842,  
61.0439

■ 91.2897, 94.6208,  
101.0451

■ 64.3196, 55.8098,  
45.4134

95.0500, 100.0000,  
108.9000

■ 57.9122, 46.4884,  
32.5079

■ 52.6889, 38.8300,  
22.1712

■ 48.5768, 32.7368,  
14.2313

■ 45.4949, 28.1002,  
8.4951

■ 43.3507, 24.7984,  
4.7396

■ 42.0354, 22.6889,  
2.6943

■ 41.5373, 21.8545,  
2.0291

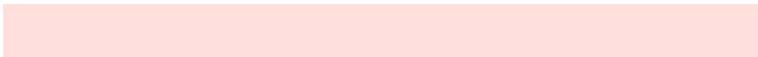
# Harmonies

## Analogous

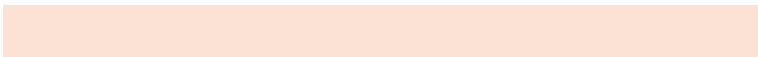
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6271, 79.7918, 87.4932



80.9468, 79.7918, 79.5416



78.8878, 79.7918, 73.8893

# Triad

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



80.9468, 79.7918, 79.5416



71.1567, 79.7918, 78.5462



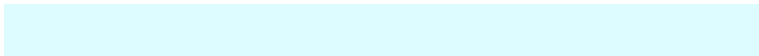
75.6262, 79.7918, 104.0738

# Complementary

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



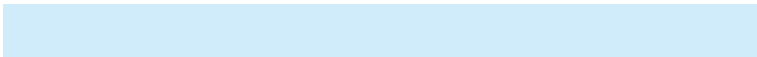
80.9468, 79.7918, 79.5416



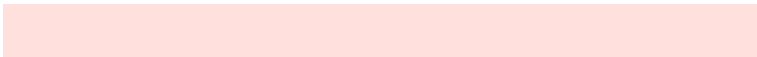
82.6782, 92.2103, 108.0485

# 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.



72.8712, 79.7918, 101.3099



80.9468, 79.7918, 79.5416



70.3325, 79.7918, 86.2691

# Square

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



80.9468, 79.7918, 79.5416



73.2322, 79.7918, 73.3412



70.9521, 79.7918, 94.6558



78.5084, 79.7918, 101.9895



# Rectangle

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



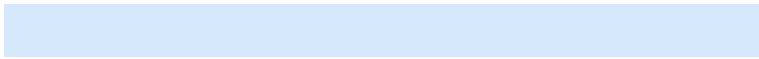
80.9468, 79.7918, 79.5416



77.0369, 79.7918, 72.0021



70.9521, 79.7918, 94.6558



74.6550, 79.7918, 103.6773

# Sweetspot

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



80.9487, 79.7952, 79.5433



90.5559, 93.5704, 99.5143



84.6940, 80.0126, 103.2142



19.2073, 19.7767, 20.9343



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

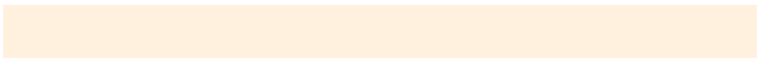
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9487, 79.7952, 79.5433



78.4242, 76.1674, 74.3207



85.6975, 89.2929, 81.1262



18.1384, 18.2450, 18.7100



21.7477, 11.5067, 1.0748

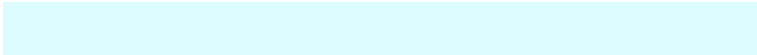


2.1593, 1.2039, 0.1186

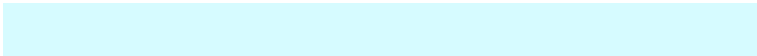


# Inverse Universe

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



82.6782, 92.2103, 108.0485



80.4605, 90.7872, 107.8907



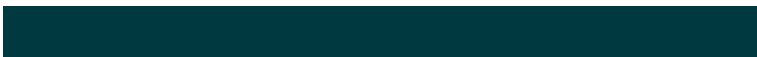
77.6256, 82.1051, 106.3643



18.4095, 20.1906, 23.1768



24.6349, 34.1794, 54.7335

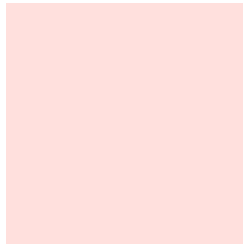


2.4372, 3.4052, 5.3421



# Previews

## White Background



This preview shows how the XYZ color 80.9468, 79.7918, 79.5416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

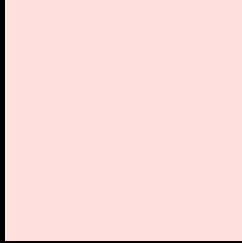
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.9468, 79.7918, 79.5416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

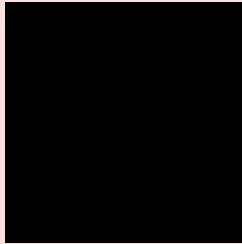
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

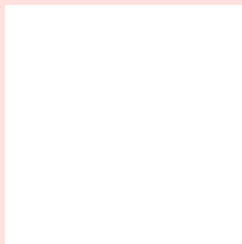
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.9468, 79.7918, 79.5416**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.9468, 79.7918, 79.5416.



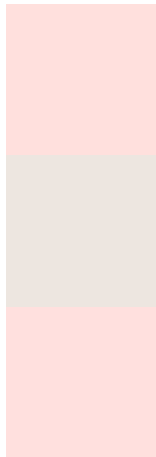
This preview shows how white text looks on a background with the XYZ color 80.9468, 79.7918,

79.5416.

# 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

80.9468, 79.7918, 79.5416

### Protanopia

76.6764, 79.9800, 81.9174

### Deuteranopia

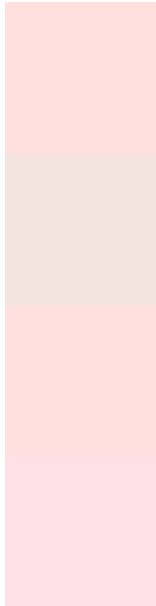
81.0805, 79.8452, 80.2455



## Tritanopia

82.7939, 79.6756, 91.9041

# Trichromacy



## Original Color

80.9468, 79.7918, 79.5416

## Protanomaly

78.3709, 80.0476, 81.1322

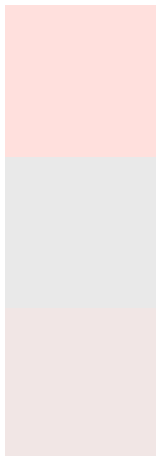
## Deuteranomaly

81.0805, 79.8452, 80.2455

## Tritanomaly

82.1932, 79.8615, 87.4267

# Monochromacy



## Original Color

80.9468, 79.7918, 79.5416

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.7153, 80.9515, 85.6052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.9468, 79.7918, 79.5416 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, 224, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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(255, 224, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 80.9468, 79.7918, 79.5416 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, 224, 221) }
```



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

```
.border{ border-color:rgb(255, 224, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.9468, 79.7918, 79.5416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 221) }
```

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

```
.background{ background-color: rgb(255,  
224, 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](#).

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