

# Converting Colors

XYZ(80.6614, 79.1469, 79.6751)

Have a look what the booklet for  
XYZ(80.6614, 79.1469, 79.6751)  
contains.

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# Color

**XYZ(80.6788, 79.2558,  
79.4523)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDFDD
RGB	255, 223, 221
RGB Percent	100%, 87%, 87%
CMY	0.0000, 0.1255, 0.1333
CMYK	0.00, 0.13, 0.13, 0.00
HSL	4°, 100%, 93%
HSV	4°, 13%, 100%
XYZ	80.6788, 79.2558, 79.4523
YIQ	232.3400, 19.7140, 6.1620

# Conversions

## Conversions Part 2

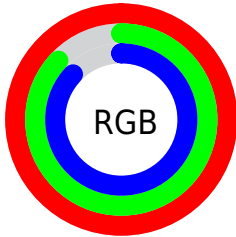
Format	Color
R <sub>Y</sub> B	255, 223, 221
Decimal	16768989
CIE Lab	91.35, 10.70, 5.03
CIE LCh	91, 11.824, 25.166
Yxy	79.2558, 0.3370, 0.3311
Android (android.graphics.Color)	4294959069 (0xFFFFDFDD)
YUV	232.3400, -5.5906, 19.8728
Hunter-Lab	89.0257, 5.9691, 9.4038

# Details

The XYZ color **80.6788, 79.2558, 79.4523** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.9931, 92.8401, 108.1535**, and the grayscale version is **76.9883, 80.9977, 88.2065**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1743, 42.7642, 42.0025** is the 20% darker color. If you saturate the color by 10%, you get **71.5728, 66.0741, 60.9089**, and if you desaturate by 10%, it is **91.2133, 94.4678, 101.0197**.

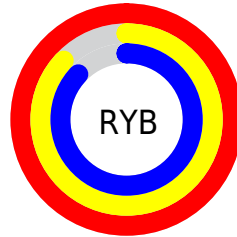
# Distribution



Red (100%)

Green (87%)

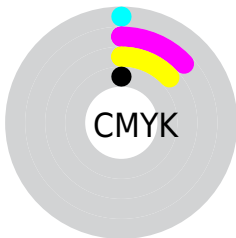
Blue (87%)



Red (100%)

Yellow (87%)

Blue (87%)

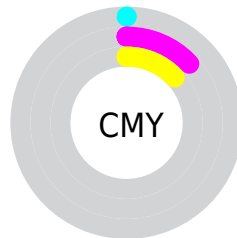


Cyan (0%)

Magenta (13%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6788, 79.2558, 79.4523 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 80.6788, 79.2558, 79.4523 by changing the saturation by 10% instead.




 80.6788, 79.2558,  
79.4523

 80.6788, 79.2558,  
79.4523

485.9193,  
492.4213, 512.7431

 60.5875, 59.1061,  
58.7442


133.2652,  
132.3189, 134.3999

 44.1436, 42.6986,  
41.9886


166.4910,  
166.0012, 169.4764

 30.9818, 29.6487,  
28.7669


204.8256,  
204.9631, 210.1796

 20.7368, 19.5721,  
18.6605

248.6345,  
249.5890, 256.9279

 13.0431, 12.0844,  
11.2509

298.2829,  
300.2634, 310.1398

 7.5354, 6.8012,  
6.1196

354.1363,

 3.8484, 3.3381,

357.3707, 370.2340

2.8479

416.5600,  
421.2952, 437.6289

■ 1.6167, 1.3107,  
1.0175

■ 0.4033, 0.1494,  
0.0000

■ 80.6788, 79.2558,  
79.4523

■ 80.6788, 79.2558,  
79.4523

■ 71.5728, 66.0741,  
60.9089

■ 91.2133, 94.4678,  
101.0197

■ 63.8284, 54.8273,  
45.2496

95.0500, 100.0000,  
108.9000

■ 57.3817, 45.4275,  
32.3311

■ 52.1618, 37.7758,  
21.9955

■ 48.0907, 31.7644,  
14.0693

■ 45.0814, 27.2732,  
8.3573

■ 43.0346, 24.1660,  
4.6342

■ 41.8321, 22.2822,  
2.6265

■ 41.4113, 21.6026,  
1.9871

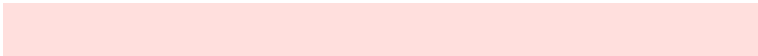
# Harmonies

## Analogous

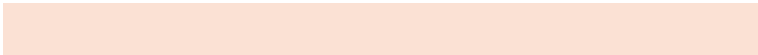
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2324, 79.2558, 87.6972



80.6788, 79.2558, 79.4523



78.6772, 79.2558, 73.4202

# Triad

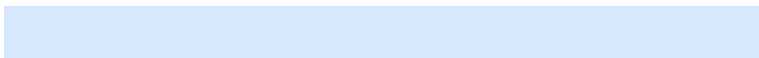
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6788, 79.2558, 79.4523



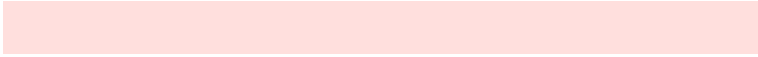
70.6889, 79.2558, 77.1897



74.8447, 79.2558, 103.8475

# Complementary

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



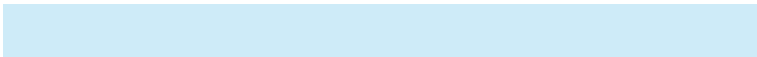
80.6788, 79.2558, 79.4523



82.9931, 92.8401, 108.1535

# 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.



72.0796, 79.2558, 100.5957



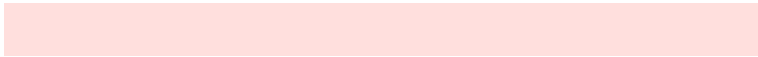
80.6788, 79.2558, 79.4523



69.7212, 79.2558, 84.9100

# Square

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



80.6788, 79.2558, 79.4523



72.9011, 79.2558, 72.1760



70.2235, 79.2558, 93.5220



77.8128, 79.2558, 102.1472

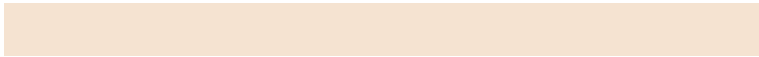


# Rectangle

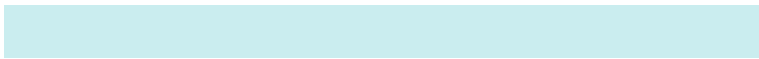
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



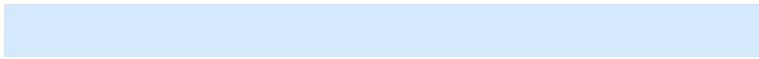
80.6788, 79.2558, 79.4523



76.8184, 79.2558, 71.2754



70.2235, 79.2558, 93.5220



73.8615, 79.2558, 103.2914

# Sweetspot

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



80.6807, 79.2592, 79.4540



90.4649, 93.3883, 99.4839



84.8744, 80.0847, 104.1639



19.1843, 19.7309, 20.9267



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

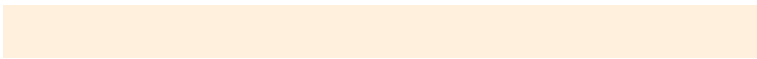
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6807, 79.2592, 79.4540



78.1145, 75.5478, 74.2174



85.3634, 88.6247, 81.0149



18.0953, 18.1588, 18.6956



21.6717, 11.3545, 1.0494

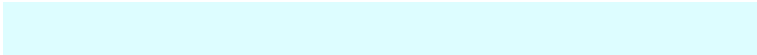


2.1389, 1.1632, 0.1118

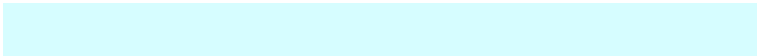


# Inverse Universe

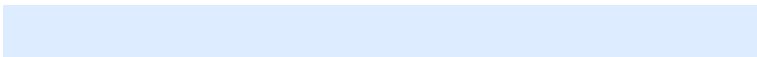
The Inverse Universe completely reimagines the original color for something new.



82.9931, 92.8401, 108.1535



80.8374, 91.5410, 108.0163



77.9514, 82.7567, 106.4729



18.4577, 20.2871, 23.1929



25.7476, 36.4047, 55.1044

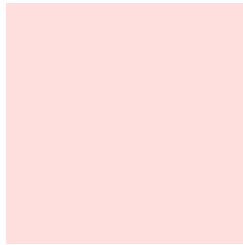


2.5337, 3.5981, 5.3742



# Previews

## White Background



This preview shows how the XYZ color 80.6788, 79.2558, 79.4523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

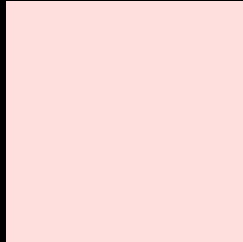
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.6788, 79.2558, 79.4523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

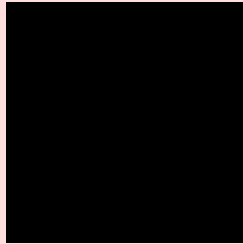
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.6788, 79.2558, 79.4523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.6788, 79.2558, 79.4523.



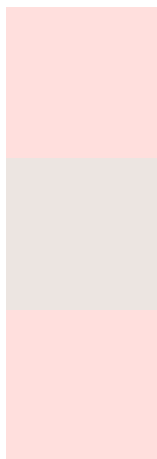
This preview shows how white text looks on a background with the XYZ color 80.6788, 79.2558,

79.4523.

# 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

80.6788, 79.2558, 79.4523

### Protanopia

76.2020, 79.3077, 82.5258

### Deuteranopia

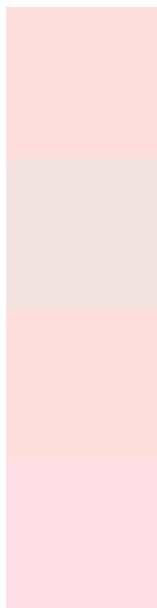
80.6788, 79.2558, 79.4523



## Tritanopia

82.3825, 79.0873, 91.0441

# Trichromacy



## Original Color

80.6788, 79.2558, 79.4523

## Protanomaly

77.8858, 79.3747, 81.7368

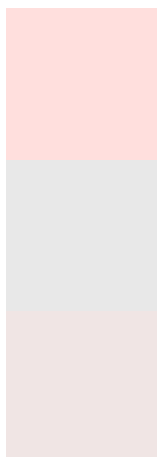
## Deuteranomaly

80.6788, 79.2558, 79.4523

## Tritanomaly

81.7851, 79.2721, 86.5918

# Monochromacy



## Original Color

80.6788, 79.2558, 79.4523

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.9581, 80.1653, 84.7634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6788, 79.2558, 79.4523 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6788, 79.2558, 79.4523 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, 221) }
```



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

```
.border{ border-color:rgb(255, 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(255, 223, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6788, 79.2558, 79.4523 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, 221) }
```

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

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

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