

# Converting Colors

XYZ(80.0508, 78.0517, 79.0828)

Have a look what the booklet for  
XYZ(80.0508, 78.0517, 79.0828)  
contains.

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# Color

**XYZ(80.1476, 78.1934,  
79.2752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDDD
RGB	255, 221, 221
RGB Percent	100%, 87%, 87%
CMY	0.0000, 0.1333, 0.1333
CMYK	0.00, 0.13, 0.13, 0.00
HSL	0°, 100%, 93%
HSV	0°, 13%, 100%
XYZ	80.1476, 78.1934, 79.2752
YIQ	231.1660, 20.2640, 7.2080

# Conversions

## Conversions Part 2

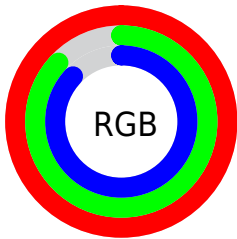
Format	Color
R <sub>Y</sub> B	255, 221, 221
Decimal	16768477
CIE Lab	90.87, 11.74, 4.33
CIE LCh	91, 12.511, 20.255
Yxy	78.1934, 0.3373, 0.3291
Android (android.graphics.Color)	4294958557 (0xFFFFDDDD)
YUV	231.1660, -5.0118, 20.9024
Hunter-Lab	88.4270, 7.0397, 8.7452

# Details

The XYZ color **80.1476, 78.1934, 79.2752** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.6278, 94.1094, 108.3650**, and the grayscale version is **76.1064, 80.0699, 87.1961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8079, 42.0314, 41.8803** is the 20% darker color. If you saturate the color by 10%, you get **70.7767, 64.4819, 60.6435**, and if you desaturate by 10%, it is **91.0605, 94.1624, 100.9687**.

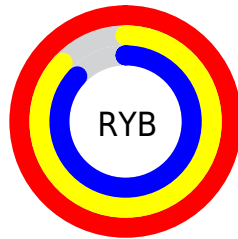
# Distribution



Red (100%)

Green (87%)

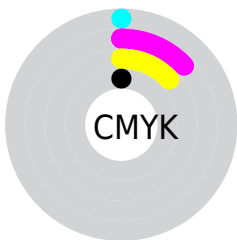
Blue (87%)



Red (100%)

Yellow (87%)

Blue (87%)

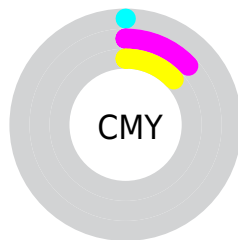


Cyan (0%)

Magenta (13%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1476, 78.1934, 79.2752 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 80.1476, 78.1934, 79.2752 by changing the saturation by 10% instead.




 80.1476, 78.1934,  
79.2752

 80.1476, 78.1934,  
79.2752


484.1591,  
488.8234, 512.1290

 60.1487, 58.2329,  
58.5994


132.5227,  
130.8227, 134.1484

 43.7884, 41.9959,  
41.8729


165.6295,  
164.2603, 169.1829

 30.7014, 29.0981,  
28.6769


203.8365,  
202.9590, 209.8408

 20.5223, 19.1550,  
18.5931

247.5088,  
247.3032, 256.5405

 12.8857, 11.7823,  
11.2028

297.0118,  
297.6774, 309.7007

 7.4264, 6.5957,  
6.0875

352.7110,

 3.7788, 3.2105,

354.4659, 369.7398

2.8287

414.9716,  
418.0531, 437.0764

■ 1.5778, 1.2426,  
1.0079

■ 0.3779, 0.0961,  
0.0000

■ 80.1476, 78.1934,  
79.2752

■ 80.1476, 78.1934,  
79.2752

■ 70.7767, 64.4819,  
60.6435

■ 91.0605, 94.1624,  
100.9687

■ 62.8730, 52.9167,  
44.9312

95.0500, 100.0000,  
108.9000

■ 56.3642, 43.3924,  
31.9918

■ 51.1691, 35.7904,  
21.6646

■ 47.1986, 29.9802,  
13.7719

■ 44.3522, 25.8149,  
8.1142

■ 42.5139, 23.1246,  
4.4606

■ 41.5422, 21.7024,  
2.5298

■ 41.2404, 21.2608,  
1.9301

# Harmonies

## Analogous

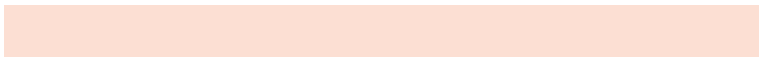
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4499, 78.1934, 88.1086



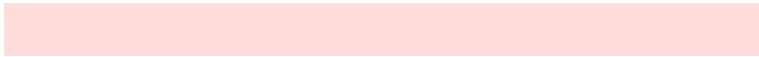
80.1476, 78.1934, 79.2752



78.2599, 78.1934, 72.4885

# Triad

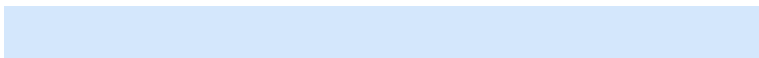
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1476, 78.1934, 79.2752



69.7609, 78.1934, 74.5253



73.3002, 78.1934, 103.4013

# Complementary

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



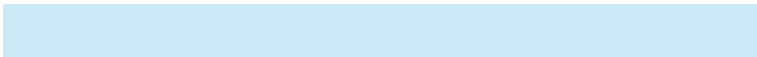
80.1476, 78.1934, 79.2752



83.6278, 94.1094, 108.3650

# 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.



70.5156, 78.1934, 99.1825



80.1476, 78.1934, 79.2752



68.5106, 78.1934, 82.2375

# Square

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



80.1476, 78.1934, 79.2752



72.2437, 78.1934, 69.8834



68.7829, 78.1934, 91.2857



76.4367, 78.1934, 102.4681

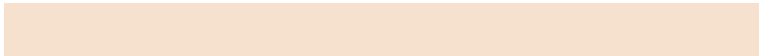


# Rectangle

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



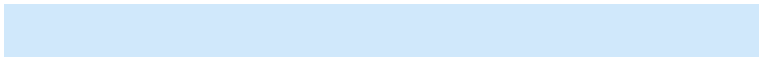
80.1476, 78.1934, 79.2752



76.3851, 78.1934, 69.8371



68.7829, 78.1934, 91.2857



72.2934, 78.1934, 102.5279

# Sweetspot

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



80.1494, 78.1967, 79.2768



90.2833, 93.0251, 99.4234



85.1469, 80.1937, 105.5990



19.1386, 19.6394, 20.9115



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

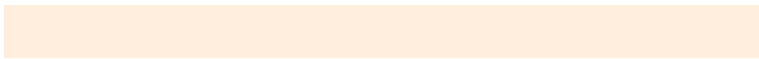
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1494, 78.1967, 79.2768



77.5018, 74.3225, 74.0132



84.8661, 87.6301, 80.8491



18.0097, 17.9875, 18.6671



21.5491, 11.1094, 1.0086



2.0982, 1.0818, 0.0982

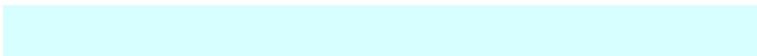


# Inverse Universe

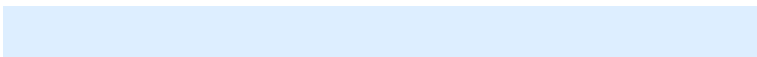
The Inverse Universe completely reimagines the original color for something new.



83.6278, 94.1094, 108.3650



81.5982, 93.0627, 108.2700



78.4440, 83.7419, 106.6371



18.5547, 20.4811, 23.2253



28.1112, 41.1319, 55.8922

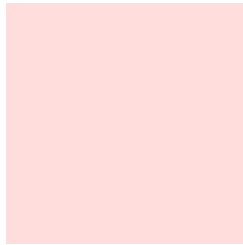


2.7372, 4.0050, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 80.1476, 78.1934, 79.2752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

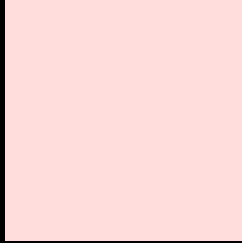
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.1476, 78.1934, 79.2752 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

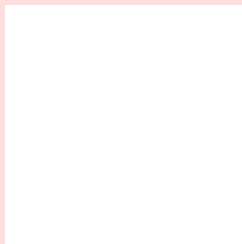
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.1476, 78.1934, 79.2752

## Background



This preview shows how black text looks on a background with the XYZ color 80.1476, 78.1934, 79.2752.



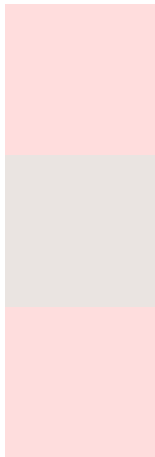
This preview shows how white text looks on a background with the XYZ color 80.1476, 78.1934,

79.2752.

# 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

80.1476, 78.1934, 79.2752

### Protanopia

75.2657, 78.4155, 82.4029

### Deuteranopia

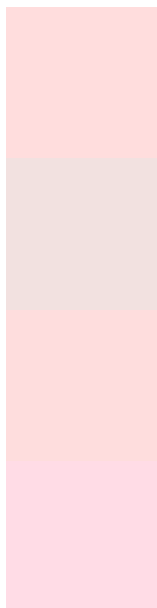
79.7806, 78.0042, 79.2580



## Tritanopia

81.8286, 78.4446, 89.4257

# Trichromacy



## Original Color

80.1476, 78.1934, 79.2752

## Protanomaly

76.9977, 78.1095, 81.5394

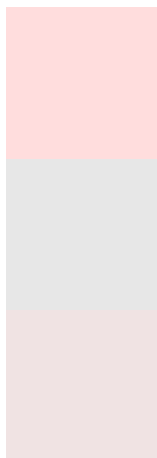
## Deuteranomaly

79.7806, 78.0042, 79.2580

## Tritanomaly

81.1161, 78.1596, 85.6739

# Monochromacy



## Original Color

80.1476, 78.1934, 79.2752

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.2694, 79.0095, 83.8509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.1476, 78.1934, 79.2752 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, 221, 221)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 80.1476, 78.1934, 79.2752 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, 221, 221) }
```



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

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

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

# Background

The CSS property to change the background color of an element to XYZ 80.1476, 78.1934, 79.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
221, 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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