

Converting Colors

XYZ(115.3936, 95.8118,
81.7824)

Have a look what the booklet for
XYZ(115.3936, 95.8118, 81.7824)
contains.

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Color

**XYZ(80.0180, 77.7203,
79.8914)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCDE
RGB	255, 220, 222
RGB Percent	100%, 86%, 87%
CMY	0.0000, 0.1372, 0.1294
CMYK	0.00, 0.14, 0.13, 0.00
HSL	357°, 100%, 93%
HSV	357°, 14%, 100%
XYZ	80.0180, 77.7203, 79.8914
YIQ	230.6930, 20.2180, 8.0420

Conversions

Conversions Part 2

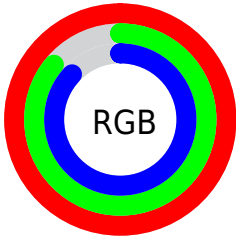
Format	Color
R _Y B	255, 220, 222
Decimal	16768222
CIE Lab	90.65, 12.41, 3.49
CIE LCh	91, 12.896, 15.720
Yxy	77.7203, 0.3367, 0.3271
Android (android.graphics.Color)	4294958302 (0xFFFFDCDE)
YUV	230.6930, -4.2856, 21.3172
Hunter-Lab	88.1591, 7.7378, 7.9817

Details

The XYZ color **80.0180, 77.7203, 79.8914** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.0074, 93.8287, 106.6680**, and the grayscale version is **75.7494, 79.6942, 86.7870**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7189, 41.7061, 42.3051** is the 20% darker color. If you saturate the color by 10%, you get **70.8326, 64.1444, 62.0472**, and if you desaturate by 10%, it is **90.6876, 93.5282, 100.5000**.

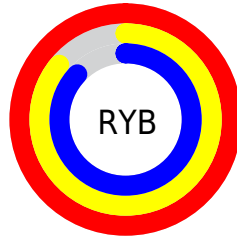
Distribution



Red (100%)

Green (86%)

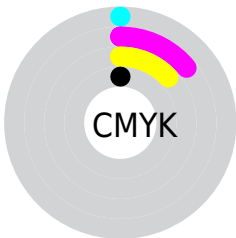
Blue (87%)



Red (100%)

Yellow (86%)

Blue (87%)

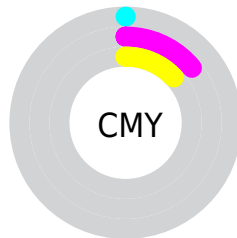


Cyan (0%)

Magenta (14%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0180, 77.7203, 79.8914 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 80.0180, 77.7203, 79.8914 by changing the saturation by 10% instead.


 80.0180, 77.7203,
79.8914

 80.0180, 77.7203,
79.8914


483.7291,
487.2164, 514.2639

 60.0417, 57.8442,
59.1033

132.3414,
130.1558, 135.0231

 43.7018, 41.6834,
42.2758


165.4193,
163.4839, 170.2037

 30.6331, 28.8535,
28.9901


203.5950,
202.0650, 211.0190

 20.4701, 18.9700,
18.8278

247.2339,
246.2832, 257.8875

 12.8474, 11.6486,
11.3704

296.7014,
296.5231, 311.2277

 7.3998, 6.5049,
6.1992

352.3629,

 3.7619, 3.1544,

353.1690, 371.4581

2.8959

414.5837,
416.6053, 438.9973

■ 1.5684, 1.2129,
1.0417

■ 0.3716, 0.0722,
0.0000

■ 80.0180, 77.7203,
79.8914

■ 80.0180, 77.7203,
79.8914

■ 70.8326, 64.1444,
62.0472

■ 90.6876, 93.5282,
100.5000

■ 63.0603, 52.6907,
46.8451

95.0500, 100.0000,
108.9000

■ 56.6327, 43.2548,
34.1610

■ 51.4733, 35.7200,
23.8589

■ 47.4981, 29.9571,
15.7901

■ 44.6129, 25.8212,
9.7891

■ 42.7089, 23.1445,
5.6672

■ 41.6551, 21.7226,
3.2014

■ 41.3230, 21.2932,
2.3670

Harmonies

Analogous

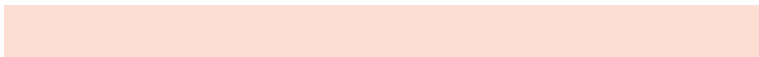
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0607, 77.7203, 89.0921



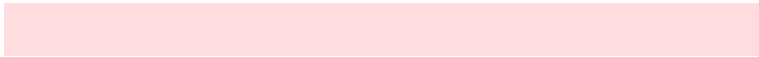
80.0180, 77.7203, 79.8914



78.2966, 77.7203, 72.5068

Triad

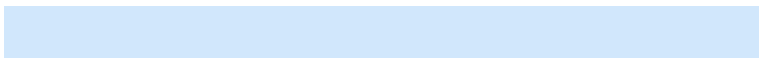
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0180, 77.7203, 79.8914



69.5088, 77.7203, 72.7927



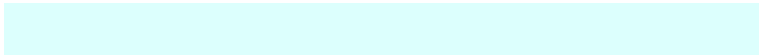
72.3480, 77.7203, 103.0774

Complementary

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



80.0180, 77.7203, 79.8914



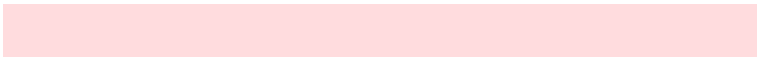
83.0074, 93.8287, 106.6680

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.



69.6150, 77.7203, 98.0216



80.0180, 77.7203, 79.8914



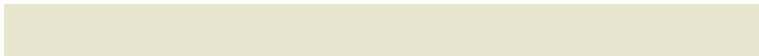
68.0085, 77.7203, 80.3082

Square

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



80.0180, 77.7203, 79.8914



72.1992, 77.7203, 68.6170



68.0468, 77.7203, 89.5403



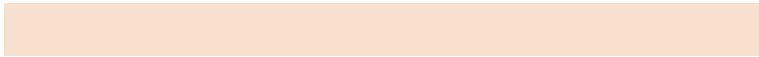
75.5680, 77.7203, 102.9453

Rectangle

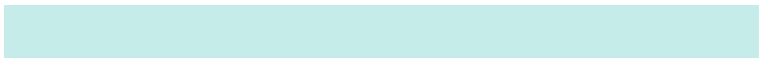
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



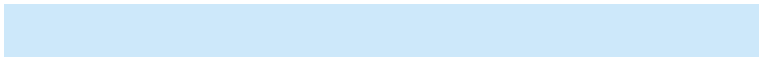
80.0180, 77.7203, 79.8914



76.4567, 77.7203, 69.4103



68.0468, 77.7203, 89.5403



71.3439, 77.7203, 101.9131

Sweetspot

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



80.0198, 77.7236, 79.8930



90.3717, 93.0598, 99.8912



84.0317, 79.2298, 105.4717



19.1609, 19.6482, 21.0292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

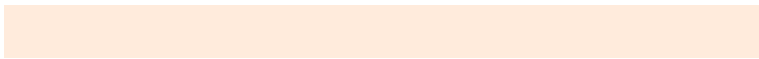
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0198, 77.7236, 79.8930



77.8001, 74.4396, 75.5911



83.9161, 85.9417, 79.8799



18.0514, 18.0039, 18.8876



21.6087, 11.1328, 1.3237



2.1180, 1.0896, 0.2031

Inverse Universe

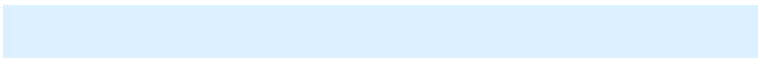
The Inverse Universe completely reimagines the original color for something new.



80.0198, 77.7236, 79.8930



77.8001, 74.4396, 75.5911



78.6788, 84.6602, 106.8020



18.0514, 18.0039, 18.8876



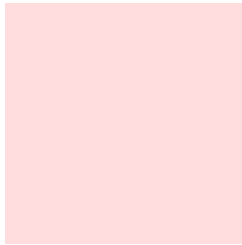
21.6087, 11.1328, 1.3237



2.1180, 1.0896, 0.2031

Previews

White Background



This preview shows how the XYZ color 80.0180, 77.7203, 79.8914 looks on a white background.

Color Contrast Check

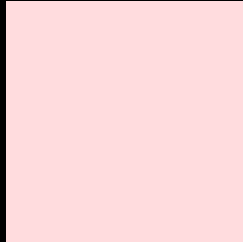
Large Text (above 18pt) WCAG AA × Fail

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 80.0180, 77.7203, 79.8914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

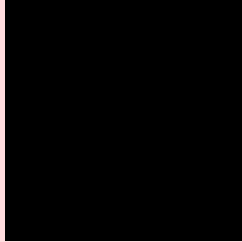
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0180, 77.7203, 79.8914

Background



This preview shows how black text looks on a background with the XYZ color 80.0180, 77.7203, 79.8914.



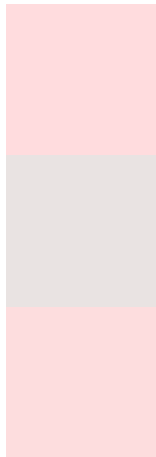
This preview shows how white text looks on a background with the XYZ color 80.0180, 77.7203,

79.8914.

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

80.0180, 77.7203, 79.8914

Protanopia

74.8008, 77.7528, 83.0169

Deuteranopia

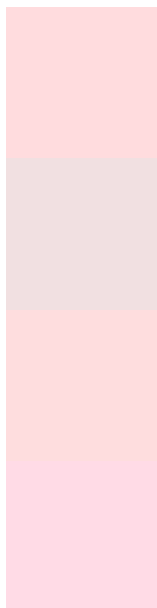
79.5493, 77.8695, 79.9449



Tritanopia

81.5669, 77.9212, 89.3385

Trichromacy



Original Color

80.0180, 77.7203, 79.8914

Protanomaly

76.5219, 77.4483, 82.1500

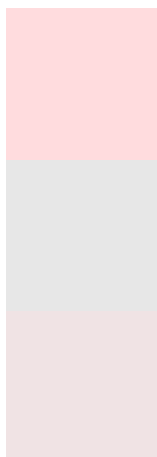
Deuteranomaly

79.9143, 78.0577, 79.9619

Tritanomaly

80.8544, 77.6362, 85.5867

Monochromacy



Original Color

80.0180, 77.7203, 79.8914

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.4079, 79.0649, 84.5800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0180, 77.7203, 79.8914 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, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 222)  
}
```

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, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 222) }
```

Border

The CSS property to change the border of an element to XYZ 80.0180, 77.7203, 79.8914 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, 220, 222) }
```


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

```
.border{ border-color:rgb(255, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0180, 77.7203, 79.8914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 222) }
```

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

```
.background{ background-color: rgb(255,  
220, 222) }
```

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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