

Converting Colors

XYZ(80.4435, 77.5982, 83.0333)

Have a look what the booklet for
XYZ(80.4435, 77.5982, 83.0333)
contains.

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Color

**XYZ(80.2990, 77.4140,
82.6617)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDBE2
RGB	255, 219, 226
RGB Percent	100%, 86%, 89%
CMY	0.0000, 0.1412, 0.1137
CMYK	0.00, 0.14, 0.11, 0.00
HSL	348°, 100%, 93%
HSV	348°, 14%, 100%
XYZ	80.2990, 77.4140, 82.6617
YIQ	230.5620, 19.2090, 9.8090

Conversions

Conversions Part 2

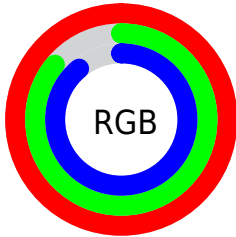
Format	Color
R_{YB}	255, 219, 226
Decimal	16767970
CIE _{Lab}	90.51, 13.57, 1.19
CIE _{LCh}	91, 13.622, 5.015
Yxy	77.4140, 0.3341, 0.3221
Android (android.graphics.Color)	4294958050 (0xFFFFDBE2)
YUV	230.5620, -2.2491, 21.4321
Hunter-Lab	87.9852, 8.9324, 5.8870

Details

The XYZ color **80.2990, 77.4140, 82.6617** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9192, 93.3586, 102.5130**, and the grayscale version is **75.6379, 79.5770, 86.6594**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9148, 41.4970, 44.2232** is the 20% darker color. If you saturate the color by 10%, you get **71.4968, 64.0539, 66.6430**, and if you desaturate by 10%, it is **90.4616, 92.9537, 100.8024**.

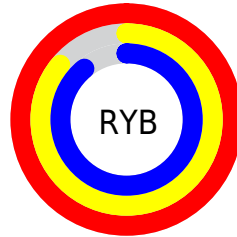
Distribution



Red (100%)

Green (86%)

Blue (89%)



Red (100%)

Yellow (86%)

Blue (89%)

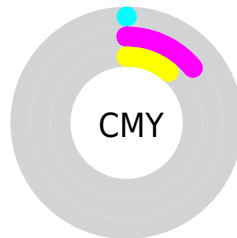


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2990, 77.4140, 82.6617 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 80.2990, 77.4140, 82.6617 by changing the saturation by 10% instead.


 80.2990, 77.4140,
82.6617

 80.2990, 77.4140,
82.6617

484.6611,
486.1744, 523.7998

 60.2737, 57.5927,
61.3721


132.7343,
129.7237, 138.9465

 43.8896, 41.4813,
44.0930


165.8751,
162.9810, 174.7789

 30.7813, 28.6954,
30.4059


204.1185,
201.4856, 216.2959

 20.5834, 18.8505,
19.8922

247.8298,
245.6221, 263.9161

 12.9305, 11.5623,
12.1334

297.3743,
295.7749, 318.0580

 7.4574, 6.4464,
6.7110

353.1175,

 3.7986, 3.1184,

352.3282, 379.1403

3.2063

415.4246,
415.6666, 447.5814

■ 1.5888, 1.1938,
1.2009

■ 0.3851, 0.0567,
0.0000

■ 80.2990, 77.4140,
82.6617

■ 80.2990, 77.4140,
82.6617

■ 71.4968, 64.0539,
66.6430

■ 90.4616, 92.9537,
100.8024

■ 63.9916, 52.7666,
52.6634

95.0500, 100.0000,
108.9000

■ 57.7227, 43.4506,
40.6417

■ 52.6227, 35.9923,
30.4894

■ 48.6173, 30.2661,
22.1110

■ 45.6236, 26.1311,
15.4022

■ 43.5463, 23.4241,
10.2475

■ 42.2708, 21.9458,
6.5152

■ 41.8063, 21.4865,
4.9120

Harmonies

Analogous

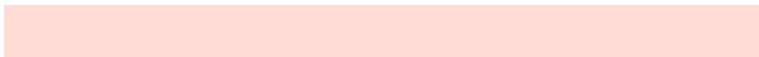
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6775, 77.4140, 92.4645



80.2990, 77.4140, 82.6617



79.0753, 77.4140, 73.9794

Triad

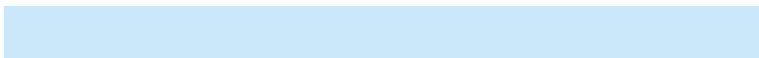
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2990, 77.4140, 82.6617



69.8852, 77.4140, 69.8425



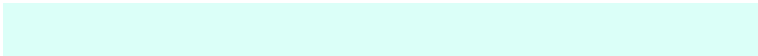
70.8477, 77.4140, 102.4617

Complementary

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



80.2990, 77.4140, 82.6617



81.9192, 93.3586, 102.5130

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.



68.3448, 77.4140, 95.5181



80.2990, 77.4140, 82.6617



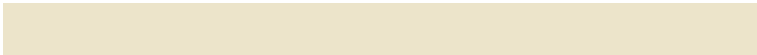
67.8012, 77.4140, 76.6133

Square

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



80.2990, 77.4140, 82.6617



73.0087, 77.4140, 66.9516



67.2461, 77.4140, 85.9409



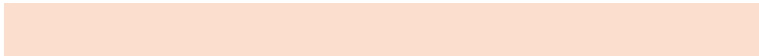
74.1537, 77.4140, 104.3913

Rectangle

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



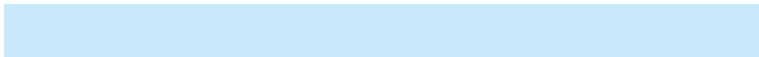
80.2990, 77.4140, 82.6617



77.3993, 77.4140, 69.8376



67.2461, 77.4140, 85.9409



69.8879, 77.4140, 100.6117

Sweetspot

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



80.3008, 77.4172, 82.6633



90.5869, 93.1458, 101.0242



82.0240, 77.8063, 105.3027



19.2151, 19.6698, 21.3147



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

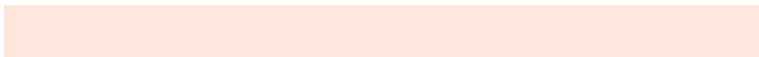
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3008, 77.4172, 82.6633



77.6243, 73.3435, 77.8278



82.2693, 82.8595, 78.6794



18.1536, 18.0448, 19.4262



21.8854, 11.2435, 2.7810



2.1669, 1.1091, 0.4603

Inverse Universe

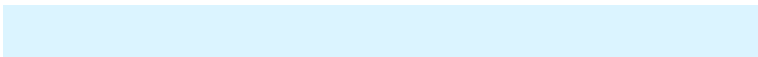
The Inverse Universe completely reimagines the original color for something new.



80.3008, 77.4172, 82.6633



77.6243, 73.3435, 77.8278



79.6767, 87.1039, 107.2211



18.1536, 18.0448, 19.4262



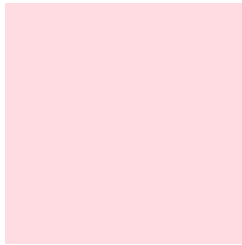
21.8854, 11.2435, 2.7810



2.1669, 1.1091, 0.4603

Previews

White Background



This preview shows how the XYZ color 80.2990, 77.4140, 82.6617 looks on a white background.

Color Contrast Check

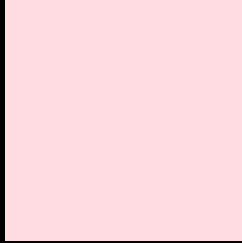
Large Text (above 18pt) WCAG AA × Fail

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 80.2990, 77.4140, 82.6617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

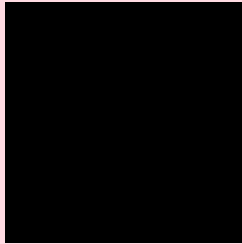
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2990, 77.4140, 82.6617

Background



This preview shows how black text looks on a background with the XYZ color 80.2990, 77.4140, 82.6617.



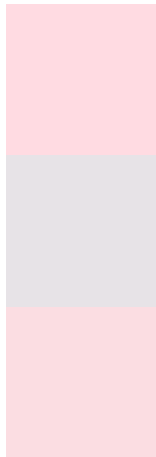
This preview shows how white text looks on a background with the XYZ color 80.2990, 77.4140,

82.6617.

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

80.2990, 77.4140, 82.6617

Protanopia

74.8479, 77.6966, 86.6533

Deuteranopia

79.3676, 77.7131, 82.7685



Tritanopia

81.1627, 77.3433, 88.4929

Trichromacy



Original Color

80.2990, 77.4140, 82.6617

Protanomaly

76.7337, 77.4937, 85.0422

Deuteranomaly

79.4656, 77.3728, 82.6977

Tritanomaly

80.7352, 77.1723, 86.2418

Monochromacy



Original Color

80.2990, 77.4140, 82.6617

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.5471, 79.1206, 85.3134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2990, 77.4140, 82.6617 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, 219, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 226)  
}
```

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, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 226) }
```

Border

The CSS property to change the border of an element to XYZ 80.2990, 77.4140, 82.6617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

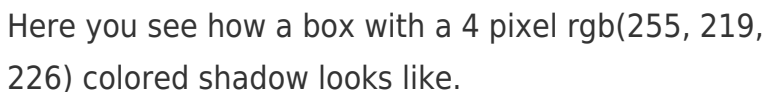
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 219, 226) }
```


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

```
.border{ border-color:rgb(255, 219, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 219, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 219, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 219, 226); box-shadow:4px 4px 4px 4px rgb(255, 219, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2990, 77.4140, 82.6617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 226) }
```

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

```
.background{ background-color: rgb(255,  
219, 226) }
```

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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