

Converting Colors

XYZ(80.5129, 77.7111, 83.1358)

Have a look what the booklet for
XYZ(80.5129, 77.7111, 83.1358)
contains.

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Color

**XYZ(80.6983, 77.9925,
83.4738)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCE3
RGB	255, 220, 227
RGB Percent	100%, 86%, 89%
CMY	0.0000, 0.1372, 0.1098
CMYK	0.00, 0.14, 0.11, 0.00
HSL	348°, 100%, 93%
HSV	348°, 14%, 100%
XYZ	80.6983, 77.9925, 83.4738
YIQ	231.2630, 18.6130, 9.5970

Conversions

Conversions Part 2

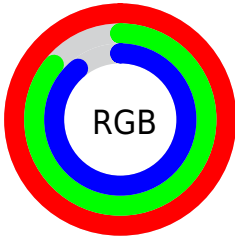
Format	Color
RYB	255, 220, 227
Decimal	16768227
CIELab	90.78, 13.21, 1.05
CIELCh	91, 13.253, 4.550
Yxy	77.9925, 0.3332, 0.3221
Android (android.graphics.Color)	4294958307 (0xFFFFDCE3)
YUV	231.2630, -2.1017, 20.8173
Hunter-Lab	88.3134, 8.5600, 5.7784

Details

The XYZ color **80.6983, 77.9925, 83.4738** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.2211, 93.5142, 102.5273**, and the grayscale version is **76.1586, 80.1248, 87.2559**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1902, 41.8946, 44.7871** is the 20% darker color. If you saturate the color by 10%, you get **71.8581, 64.5547, 67.4477**, and if you desaturate by 10%, it is **90.8967, 93.6119, 101.6011**.

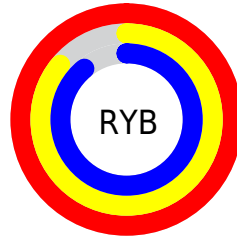
Distribution



Red (100%)

Green (86%)

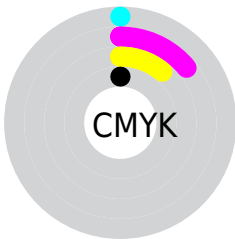
Blue (89%)



Red (100%)

Yellow (86%)

Blue (89%)

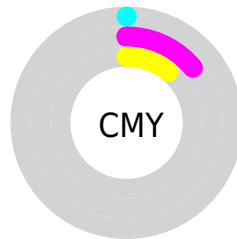


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6983, 77.9925, 83.4738 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 80.6983, 77.9925, 83.4738 by changing the saturation by 10% instead.

 80.6983, 77.9925,
83.4738

 80.6983, 77.9925,
83.4738


485.9838,
488.1414, 526.5765

 60.6036, 58.0678,
62.0382


133.2924,
130.5395, 140.0940

 44.1567, 41.8632,
44.6276


166.5226,
163.9307, 176.1157

 30.9921, 28.9942,
30.8234


204.8619,
202.5795, 217.8366

 20.7446, 19.0764,
20.2071

248.6758,
246.8703, 265.6751

 13.0489, 11.7255,
12.3601

298.3295,
297.1874, 320.0498

 7.5394, 6.5571,
6.8639

354.1886,

 3.8510, 3.1867,

353.9154, 381.3792

3.3000

416.6182,
417.4386, 450.0820

■ 1.6182, 1.2299,
1.2498

■ 0.4042, 0.0860,
0.0201

■ 80.6983, 77.9925,
83.4738

■ 80.6983, 77.9925,
83.4738

■ 71.8581, 64.5547,
67.4477

■ 90.8967, 93.6119,
101.6011

■ 64.3129, 53.1918,
53.4413

95.0500, 100.0000,
108.9000

■ 58.0027, 43.8029,
41.3750

■ 52.8602, 36.2748,
31.1622

■ 48.8121, 30.4827,
22.7093

■ 45.7761, 26.2865,
15.9145

■ 43.6580, 23.5241,
10.6648

■ 42.3446, 21.9984,
6.8322

■ 41.8370, 21.4988,
5.0736

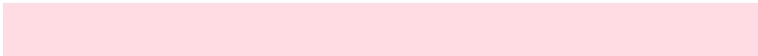
Harmonies

Analogous

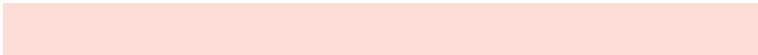
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0637, 77.9925, 93.0481



80.6983, 77.9925, 83.4738



79.5301, 77.9925, 74.9380

Triad

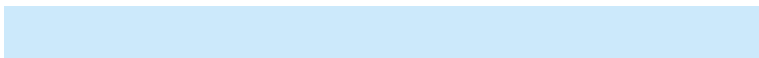
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6983, 77.9925, 83.4738



70.5566, 77.9925, 70.6929



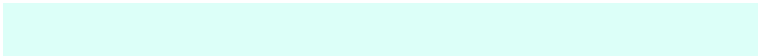
71.4116, 77.9925, 102.5812

Complementary

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



80.6983, 77.9925, 83.4738



82.2211, 93.5142, 102.5273

Split Complementary

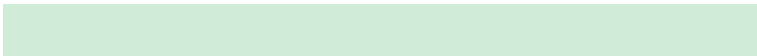
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9792, 77.9925, 95.7525



80.6983, 77.9925, 83.4738



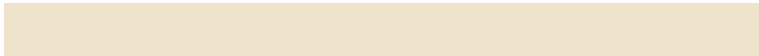
68.4960, 77.9925, 77.2807

Square

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



80.6983, 77.9925, 83.4738



73.6226, 77.9925, 67.9186



67.9273, 77.9925, 86.3840



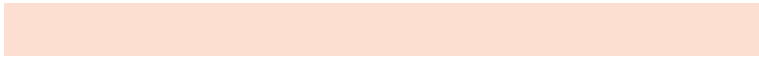
74.6388, 77.9925, 104.5466

Rectangle

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



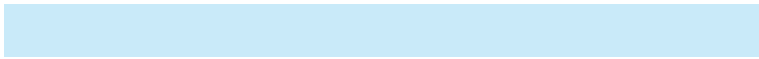
80.6983, 77.9925, 83.4738



77.9061, 77.9925, 70.8390



67.9273, 77.9925, 86.3840



70.4770, 77.9925, 100.7545

Sweetspot

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



80.7002, 77.9958, 83.4754



90.5956, 93.1493, 101.0702



82.3567, 78.3663, 105.3933



19.2173, 19.6707, 21.3263



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

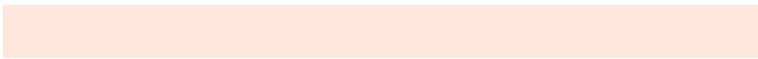
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7002, 77.9958, 83.4754



78.5698, 74.7475, 79.6442



82.5965, 83.3024, 79.4401



18.1578, 18.0464, 19.4481



21.9024, 11.2502, 2.8704



2.1691, 1.1100, 0.4721

Inverse Universe

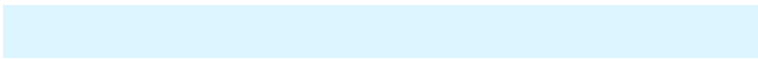
The Inverse Universe completely reimagines the original color for something new.



80.7002, 77.9958, 83.4754



78.5698, 74.7475, 79.6442



80.0690, 87.4404, 107.2653



18.1578, 18.0464, 19.4481



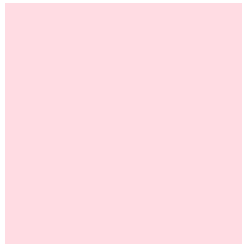
21.9024, 11.2502, 2.8704



2.1691, 1.1100, 0.4721

Previews

White Background



This preview shows how the XYZ color 80.6983, 77.9925, 83.4738 looks on a white background.

Color Contrast Check

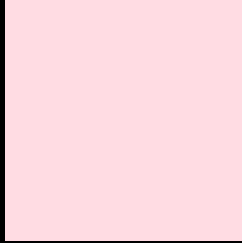
Large Text (above 18pt) WCAG AA × Fail

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 80.6983, 77.9925, 83.4738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

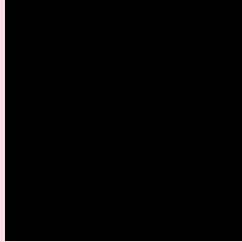
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6983, 77.9925, 83.4738

Background



This preview shows how black text looks on a background with the XYZ color 80.6983, 77.9925, 83.4738.



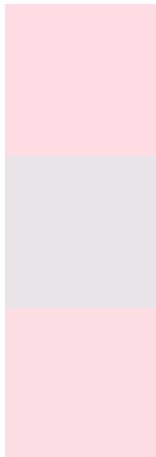
This preview shows how white text looks on a background with the XYZ color 80.6983, 77.9925,

83.4738.

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

80.6983, 77.9925, 83.4738

Protanopia

75.4459, 78.4121, 86.7599

Deuteranopia

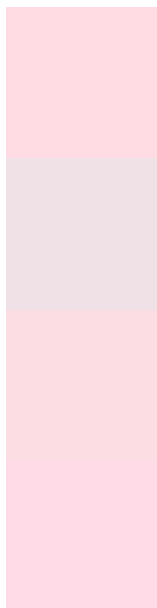
79.5052, 77.7682, 83.4934



Tritanopia

81.5669, 77.9212, 89.3385

Trichromacy



Original Color

80.6983, 77.9925, 83.4738

Protanomaly

77.1433, 78.0889, 85.8697

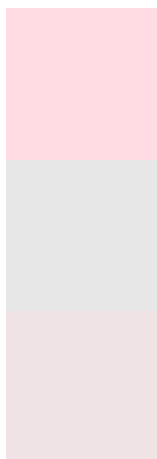
Deuteranomaly

79.8665, 77.9544, 83.5103

Tritanomaly

81.1370, 77.7492, 87.0747

Monochromacy



Original Color

80.6983, 77.9925, 83.4738

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.6872, 79.1766, 86.0510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6983, 77.9925, 83.4738 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.6983, 77.9925, 83.4738 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, 227) }
```


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

```
.border{ border-color:rgb(255, 220, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6983, 77.9925, 83.4738 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
220, 227) }
```

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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