

Converting Colors

XYZ(80.9819, 78.2457, 84.5360)

Have a look what the booklet for
XYZ(80.9819, 78.2457, 84.5360)
contains.

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Color

**XYZ(80.8368, 78.0478,
84.2030)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDCE4
RGB	255, 220, 228
RGB Percent	100%, 86%, 89%
CMY	0.0000, 0.1372, 0.1059
CMYK	0.00, 0.14, 0.11, 0.00
HSL	346°, 100%, 93%
HSV	346°, 14%, 100%
XYZ	80.8368, 78.0478, 84.2030
YIQ	231.3770, 18.2920, 9.9080

Conversions

Conversions Part 2

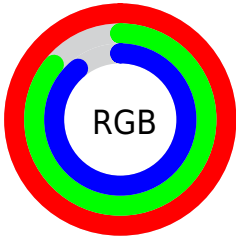
Format	Color
R_{YB}	255, 220, 228
Decimal	16768228
CIE _{Lab}	90.80, 13.37, 0.56
CIE _{LCh}	91, 13.385, 2.413
Yxy	78.0478, 0.3325, 0.3211
Android (android.graphics.Color)	4294958308 (0xFFFFDCE4)
YUV	231.3770, -1.6649, 20.7174
Hunter-Lab	88.3447, 8.7272, 5.3308

Details

The XYZ color **80.8368, 78.0478, 84.2030** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.0662, 93.4522, 101.7120**, and the grayscale version is **76.2405, 80.2109, 87.3497**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2867, 41.9332, 45.2949** is the 20% darker color. If you saturate the color by 10%, you get **72.0702, 64.6394, 68.5644**, and if you desaturate by 10%, it is **90.9386, 93.6285, 101.8221**.

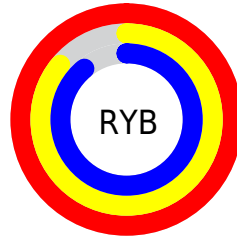
Distribution



Red (100%)

Green (86%)

Blue (89%)



Red (100%)

Yellow (86%)

Blue (89%)

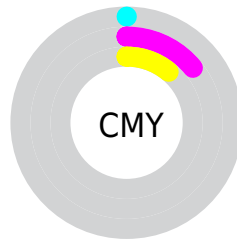


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8368, 78.0478, 84.2030 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 80.8368, 78.0478, 84.2030 by changing the saturation by 10% instead.


 80.8368, 78.0478,
84.2030

 80.8368, 78.0478,
84.2030


486.4421,
488.3291, 529.0628

 60.7180, 58.1132,
62.6367


133.4859,
130.6175, 141.1234

 44.2493, 41.8997,
45.1083


166.7470,
164.0214, 177.3145

 31.0653, 29.0228,
31.1991


205.1196,
202.6840, 219.2177

 20.8007, 19.0980,
20.4908

248.9690,
246.9895, 267.2514

 13.0900, 11.7411,
12.5647

298.6606,
297.3223, 321.8342

 7.5680, 6.5677,
7.0023

354.5598,

 3.8692, 3.1932,

354.0670, 383.3847

3.3851

417.0318,
417.6078, 452.3214

■ 1.6284, 1.2334,
1.2945

■ 0.4108, 0.0888,
0.0572

■ 80.8368, 78.0478,
84.2030

■ 80.8368, 78.0478,
84.2030

■ 72.0702, 64.6394,
68.5644

■ 90.9386, 93.6285,
101.8221

■ 64.5769, 53.2973,
54.8314

95.0500, 100.0000,
108.9000

■ 58.2982, 43.9210,
42.9316

■ 53.1685, 36.3980,
32.7857

■ 49.1158, 30.6041,
24.3088

■ 46.0598, 26.3999,
17.4085

■ 43.9082, 23.6242,
11.9826

■ 42.5503, 22.0807,
7.9156

■ 42.0105, 21.5682,
5.9871

Harmonies

Analogous

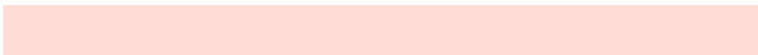
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0663, 78.0478, 93.8550



80.8368, 78.0478, 84.2030



79.7800, 78.0478, 75.4294

Triad

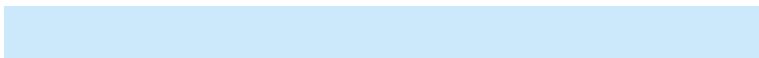
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8368, 78.0478, 84.2030



70.7674, 78.0478, 70.2764



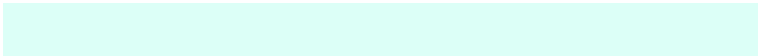
71.2256, 78.0478, 102.4867

Complementary

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



80.8368, 78.0478, 84.2030



82.0662, 93.4522, 101.7120

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.



68.8524, 78.0478, 95.3062



80.8368, 78.0478, 84.2030



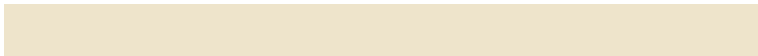
68.5935, 78.0478, 76.6843

Square

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



80.8368, 78.0478, 84.2030



73.9100, 78.0478, 67.7774



67.9030, 78.0478, 85.7633



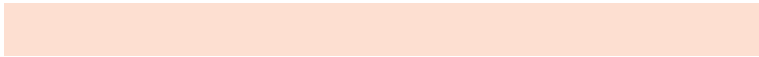
74.4548, 78.0478, 104.8735

Rectangle

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



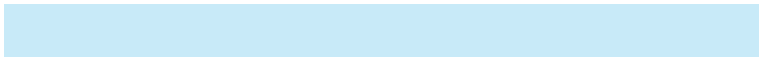
80.8368, 78.0478, 84.2030



78.1995, 78.0478, 71.1253



67.9030, 78.0478, 85.7633



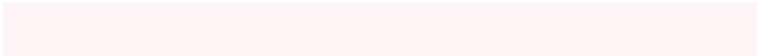
70.3047, 78.0478, 100.5281

Sweetspot

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



80.8386, 78.0510, 84.2046



90.6406, 93.1673, 101.3072



81.9443, 78.1536, 105.3740



19.2286, 19.6753, 21.3861



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

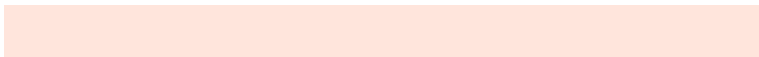
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8386, 78.0510, 84.2046



78.7270, 74.8104, 80.4722



82.2719, 82.6533, 79.3318



18.1793, 18.0551, 19.5616



21.9978, 11.2884, 3.3727



2.1813, 1.1149, 0.5361

Inverse Universe

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



80.8386, 78.0510, 84.2046



78.7270, 74.8104, 80.4722



80.4219, 88.1465, 107.3830



18.1793, 18.0551, 19.5616



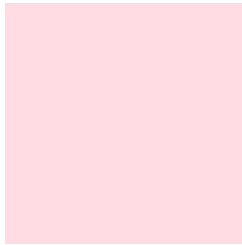
21.9978, 11.2884, 3.3727



2.1813, 1.1149, 0.5361

Previews

White Background



This preview shows how the XYZ color 80.8368, 78.0478, 84.2030 looks on a white background.

Color Contrast Check

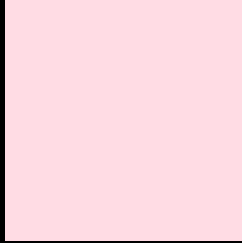
Large Text (above 18pt) WCAG AA × Fail

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 80.8368, 78.0478, 84.2030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

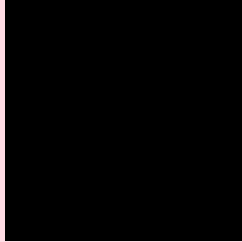
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8368, 78.0478, 84.2030

Background



This preview shows how black text looks on a background with the XYZ color 80.8368, 78.0478, 84.2030.

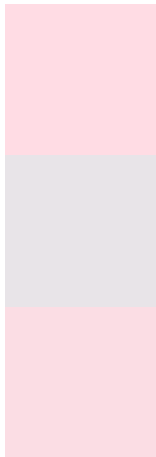


This preview shows how white text looks on a background with the XYZ color 80.8368, 78.0478,

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

80.8368, 78.0478, 84.2030

Protanopia

75.5876, 78.4688, 87.5060

Deuteranopia

79.6437, 77.8236, 84.2226



Tritanopia

81.7118, 77.9792, 90.1017

Trichromacy



Original Color

80.8368, 78.0478, 84.2030

Protanomaly

77.2842, 78.1452, 86.6115

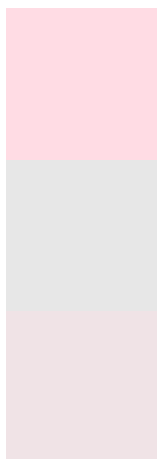
Deuteranomaly

80.0049, 78.0098, 84.2395

Tritanomaly

81.2795, 77.8062, 87.8250

Monochromacy



Original Color

80.8368, 78.0478, 84.2030

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 80.8368, 78.0478, 84.2030 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 228) }
```

Border

The CSS property to change the border of an element to XYZ 80.8368, 78.0478, 84.2030 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, 228) }
```


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

```
.border{ border-color:rgb(255, 220, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8368, 78.0478, 84.2030 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, 228) }
```

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

```
.background{ background-color: rgb(255,  
220, 228) }
```

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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