

Converting Colors

XYZ(81.7738, 81.8693, 78.5112)

Have a look what the booklet for
XYZ(81.7738, 81.8693, 78.5112)
contains.

XYZ(81.7696, 81.8613, 78.5089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.7696, 81.8613,
78.5089)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE4DB
RGB	255, 228, 219
RGB Percent	100%, 89%, 86%
CMY	0.0000, 0.1059, 0.1412
CMYK	0.00, 0.11, 0.14, 0.00
HSL	15°, 100%, 93%
HSV	15°, 14%, 100%
XYZ	81.7696, 81.8613, 78.5089
YIQ	235.0470, 18.9810, 2.9250

Conversions

Conversions Part 2

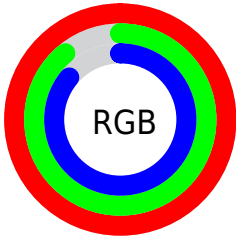
Format	Color
R _Y B	255, 231, 219
Decimal	16770267
CIE Lab	92.51, 7.81, 7.75
CIE LCh	93, 11.003, 44.780
Yxy	81.8613, 0.3377, 0.3381
Android (android.graphics.Color)	4294960347 (0xFFFFE4DB)
YUV	235.0470, -7.9112, 17.4988
Hunter-Lab	90.4772, 2.9858, 11.8869

Details

The XYZ color **81.7696, 81.8613, 78.5089** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.2183, 88.1891, 107.4020**, and the grayscale version is **79.0513, 83.1682, 90.5701**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9331, 44.5732, 41.3572** is the 20% darker color. If you saturate the color by 10%, you get **73.6939, 70.6771, 60.5039**, and if you desaturate by 10%, it is **90.9452, 94.4218, 99.4197**.

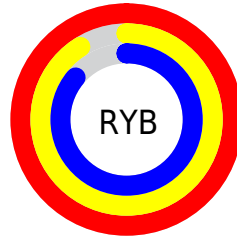
Distribution



Red (100%)

Green (89%)

Blue (86%)



Red (100%)

Yellow (91%)

Blue (86%)

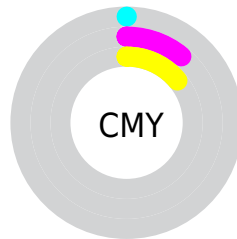


Cyan (0%)

Magenta (11%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7696, 81.8613, 78.5089 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 81.7696, 81.8613, 78.5089 by changing the saturation by 10% instead.


 81.7696, 81.8613,
78.5089

 81.7696, 81.8613,
78.5089


489.5229,
501.1836, 509.4670

 61.4891, 61.2512,
57.9732


134.7884,
135.9795, 133.0597

 44.8740, 44.4279,
41.3725


168.2573,
170.2564, 167.9118

 31.5591, 31.0071,
28.2884


206.8532,
209.8576, 208.3731

 21.1789, 20.6042,
18.3022

250.9413,
255.1677, 254.8622

 13.3680, 12.8350,
10.9955

300.8869,
306.5709, 307.7976

 7.7612, 7.3150,
5.9497

357.0555,

 3.9930, 3.6599,

364.4517, 367.5979

2.7462

419.8124,
429.1945, 434.6815

■ 1.6982, 1.4852,
0.9666

■ 0.4551, 0.2783,
0.0000

■ 81.7696, 81.8613,
78.5089

■ 81.7696, 81.8613,
78.5089

■ 73.6939, 70.6771,
60.5039

■ 90.9452, 94.4218,
99.4197

■ 66.6702, 60.8116,
45.2705

95.0500, 100.0000,
108.9000

■ 60.6556, 52.2187,
32.6714

■ 55.6015, 44.8454,
22.5556

■ 51.4555, 38.6349,
14.7566

■ 48.1595, 33.5256,
9.0873

■ 45.6482, 29.4498,
5.3310

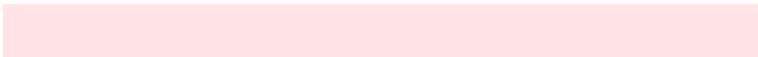
■ 43.8446, 26.3313,
3.2236

■ 43.0613, 24.9026,
2.5371

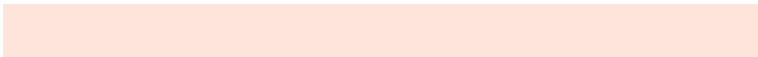
Harmonies

Analogous

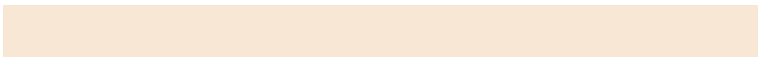
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2375, 81.8613, 85.1813



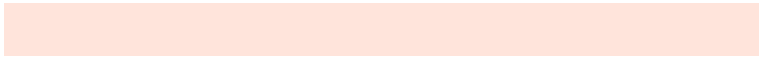
81.7696, 81.8613, 78.5089



79.2571, 81.8613, 74.8041

Triad

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



81.7696, 81.8613, 78.5089



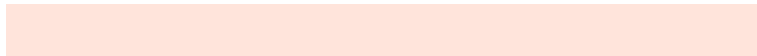
72.6279, 81.8613, 85.0682



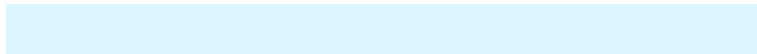
79.2159, 81.8613, 105.2189

Complementary

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



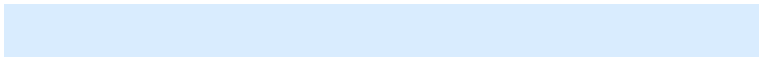
81.7696, 81.8613, 78.5089



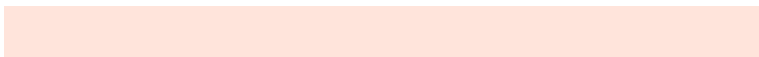
80.2183, 88.1891, 107.4020

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.



76.3741, 81.8613, 105.1840



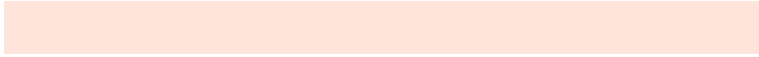
81.7696, 81.8613, 78.5089



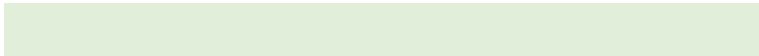
72.6174, 81.8613, 93.2052

Square

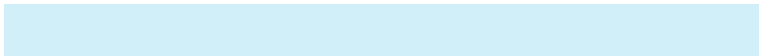
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7696, 81.8613, 78.5089



74.0028, 81.8613, 78.4305



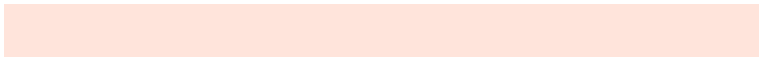
73.9740, 81.8613, 100.6748



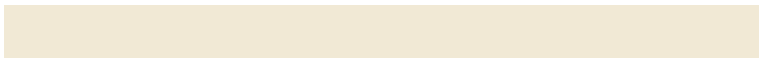
81.7388, 81.8613, 100.7675

Rectangle

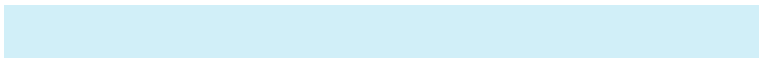
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7696, 81.8613, 78.5089



77.3501, 81.8613, 74.3629



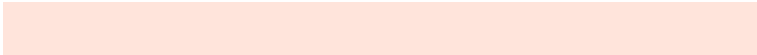
73.9740, 81.8613, 100.6748



78.2652, 81.8613, 105.7398

Sweetspot

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



81.7715, 81.8648, 78.5106



91.0592, 94.5770, 99.6821



83.2066, 78.5777, 97.9707



19.3341, 20.0305, 20.9766



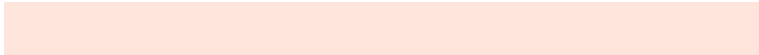
0.0000, 0.0000, 0.0000



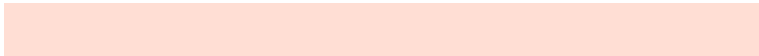
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7715, 81.8648, 78.5106



79.3321, 78.5009, 73.0271



86.9823, 92.2863, 80.2475



18.3785, 18.7251, 18.7900



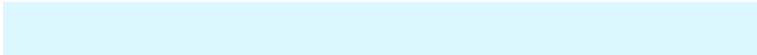
22.5992, 13.2096, 1.3586



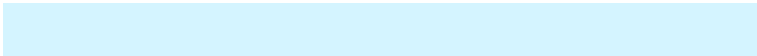
2.2826, 1.4506, 0.1597

Inverse Universe

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



80.2183, 88.1891, 107.4020



77.4984, 85.9607, 107.1152



75.0076, 77.7678, 105.6651



18.1475, 19.6666, 23.0895



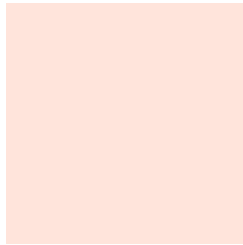
19.3158, 23.5412, 52.9604



1.9673, 2.4652, 5.1854

Previews

White Background



This preview shows how the XYZ color 81.7696, 81.8613, 78.5089 looks on a white background.

Color Contrast Check

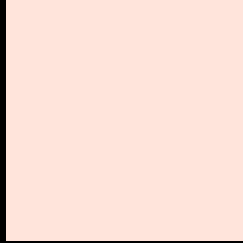
Large Text (above 18pt) WCAG AA × Fail

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 81.7696, 81.8613, 78.5089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

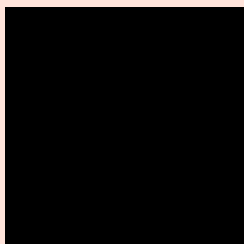
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

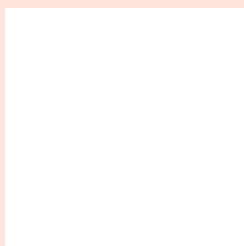
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7696, 81.8613, 78.5089

Background



This preview shows how black text looks on a background with the XYZ color 81.7696, 81.8613, 78.5089.



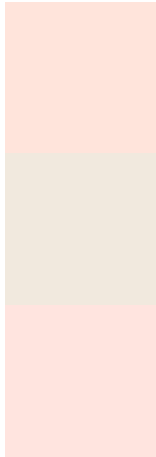
This preview shows how white text looks on a background with the XYZ color 81.7696, 81.8613,

78.5089.

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

81.7696, 81.8613, 78.5089

Protanopia

78.5994, 82.2525, 80.8409

Deuteranopia

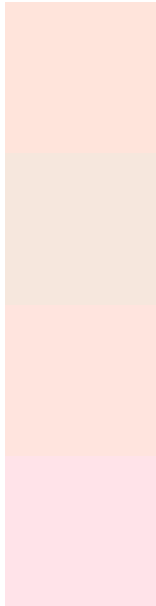
82.3027, 82.0745, 81.3162



Tritanopia

84.3135, 82.0036, 94.6036

Trichromacy



Original Color

81.7696, 81.8613, 78.5089

Protanomaly

79.6331, 81.9651, 80.0303

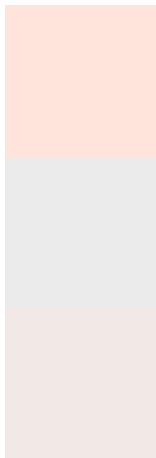
Deuteranomaly

82.1682, 82.0207, 80.6081

Tritanomaly

83.4171, 82.0814, 88.5375

Monochromacy



Original Color

81.7696, 81.8613, 78.5089

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.6174, 82.2476, 85.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7696, 81.8613, 78.5089 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, 228, 219) looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 219)  
}
```

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, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 219) }
```

Border

The CSS property to change the border of an element to XYZ 81.7696, 81.8613, 78.5089 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, 228, 219) }
```


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

```
.border{ border-color:rgb(255, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7696, 81.8613, 78.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 219) }
```

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

```
.background{ background-color: rgb(255,  
228, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor