

Converting Colors

XYZ(81.6263, 79.2113, 85.7474)

Have a look what the booklet for
XYZ(81.6263, 79.2113, 85.7474)
contains.

XYZ(81.6442, 79.2157, 85.8500)	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(81.6442, 79.2157,
85.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEE6
RGB	255, 222, 230
RGB Percent	100%, 87%, 90%
CMY	0.0000, 0.1294, 0.0980
CMYK	0.00, 0.13, 0.10, 0.00
HSL	345°, 100%, 94%
HSV	345°, 13%, 100%
XYZ	81.6442, 79.2157, 85.8500
YIQ	232.7790, 17.1000, 9.4840

Conversions

Conversions Part 2

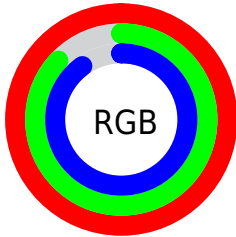
Format	Color
R _Y B	255, 222, 230
Decimal	16768742
CIE Lab	91.33, 12.66, 0.29
CIE LCh	91, 12.664, 1.304
Yxy	79.2157, 0.3309, 0.3211
Android (android.graphics.Color)	4294958822 (0xFFFFDDE6)
YUV	232.7790, -1.3700, 19.4878
Hunter-Lab	89.0032, 7.9856, 5.1128

Details

The XYZ color **81.6442, 79.2157, 85.8500** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.6752, 93.7662, 101.7405**, and the grayscale version is **77.2885, 81.3135, 88.5504**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8453, 42.7383, 46.4432** is the 20% darker color. If you saturate the color by 10%, you get **72.8122, 65.6557, 70.2538**, and if you desaturate by 10%, it is **91.8049, 94.9511, 103.3749**.

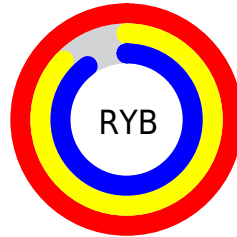
Distribution



Red (100%)

Green (87%)

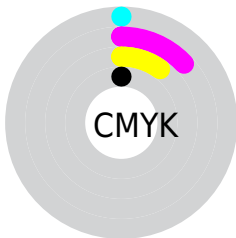
Blue (90%)



Red (100%)

Yellow (87%)

Blue (90%)

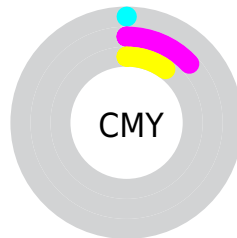


Cyan (0%)

Magenta (13%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6442, 79.2157, 85.8500 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 81.6442, 79.2157, 85.8500 by changing the saturation by 10% instead.


 81.6442, 79.2157,
85.8500

 81.6442, 79.2157,
85.8500


489.1093,
492.2857, 534.6542

 61.3854, 59.0732,
63.9898


134.6134,
132.2625, 143.4448

 44.7900, 42.6720,
46.1962


168.0544,
165.9355, 180.0165

 31.4926, 29.6279,
32.0509


206.6203,
204.8875, 222.3291

 21.1279, 19.5563,
21.1353

250.6764,
249.5029, 270.8011

 13.3305, 12.0729,
13.0307

300.5880,
300.1660, 325.8511

 7.7351, 6.7934,
7.3187

356.7204,

 3.9763, 3.3332,

357.2612, 387.8976

3.5808

419.4391,
421.1730, 457.3591

■ 1.6887, 1.3081,
1.3983

■ 0.4492, 0.1474,
0.1404

■ 81.6442, 79.2157,
85.8500

■ 81.6442, 79.2157,
85.8500

■ 72.8122, 65.6557,
70.2538

■ 91.8049, 94.9511,
103.3749

■ 65.2478, 54.1656,
56.5146

95.0500, 100.0000,
108.9000

■ 58.8931, 44.6459,
44.5635

■ 53.6838, 36.9850,
34.3252

■ 49.5491, 31.0602,
25.7189

■ 46.4102, 26.7337,
18.6571

■ 44.1770, 23.8466,
13.0434

■ 42.7414, 22.2068,
8.7691

■ 42.1039, 21.6056,
6.4792

Harmonies

Analogous

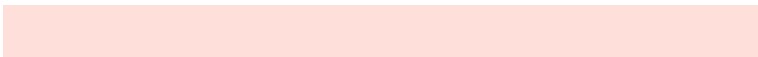
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8470, 79.2157, 95.0373



81.6442, 79.2157, 85.8500



80.6995, 79.2157, 77.3752

Triad

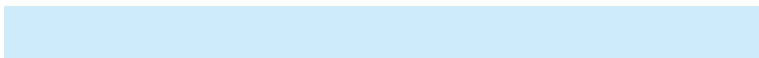
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6442, 79.2157, 85.8500



72.1251, 79.2157, 71.9902



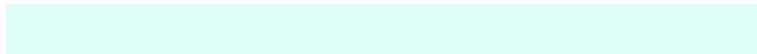
72.3622, 79.2157, 102.7362

Complementary

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



81.6442, 79.2157, 85.8500



82.6752, 93.7662, 101.7405

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.



70.1319, 79.2157, 95.7840



81.6442, 79.2157, 85.8500



69.9978, 79.2157, 78.0263

Square

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



81.6442, 79.2157, 85.8500



75.1515, 79.2157, 69.7330



69.2784, 79.2157, 86.6561



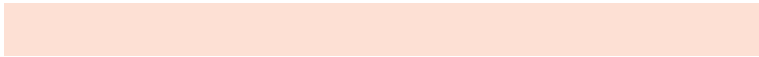
75.4330, 79.2157, 105.1941

Rectangle

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



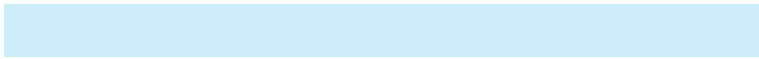
81.6442, 79.2157, 85.8500



79.2242, 79.2157, 73.1571



69.2784, 79.2157, 86.6561



71.4924, 79.2157, 100.8240

Sweetspot

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



81.6460, 79.2190, 85.8517



90.6624, 93.1761, 101.4221



82.4431, 79.1947, 105.5486



19.2341, 19.6775, 21.4151



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

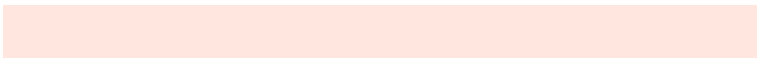
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6460, 79.2190, 85.8517



78.8036, 74.8410, 80.8754



82.7933, 83.2696, 80.8204



18.1898, 18.0592, 19.6167



22.0488, 11.3088, 3.6414



2.1876, 1.1174, 0.5693

Inverse Universe

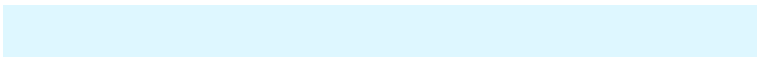
The Inverse Universe completely reimagines the original color for something new.



81.6460, 79.2190, 85.8517



78.8036, 74.8410, 80.8754



81.3609, 89.1202, 107.5215



18.1898, 18.0592, 19.6167



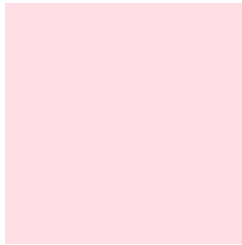
22.0488, 11.3088, 3.6414



2.1876, 1.1174, 0.5693

Previews

White Background



This preview shows how the XYZ color 81.6442, 79.2157, 85.8500 looks on a white background.

Color Contrast Check

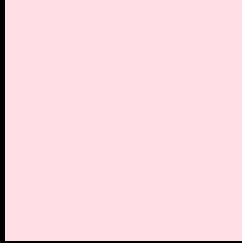
Large Text (above 18pt) WCAG AA × Fail

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 81.6442, 79.2157, 85.8500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

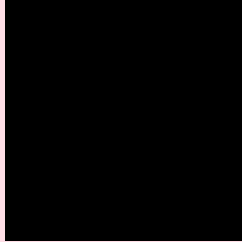
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6442, 79.2157, 85.8500

Background



This preview shows how black text looks on a background with the XYZ color 81.6442, 79.2157, 85.8500.



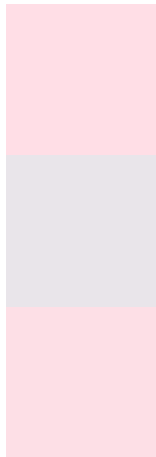
This preview shows how white text looks on a background with the XYZ color 81.6442, 79.2157,

85.8500.

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

81.6442, 79.2157, 85.8500

Protanopia

76.4749, 79.3028, 89.1182

Deuteranopia

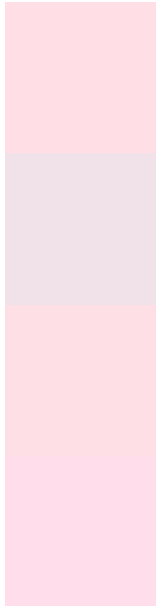
81.1786, 79.3712, 85.9045



Tritanopia

82.5291, 79.1459, 91.8159

Trichromacy



Original Color

81.6442, 79.2157, 85.8500

Protanomaly

78.1800, 78.9767, 88.2143

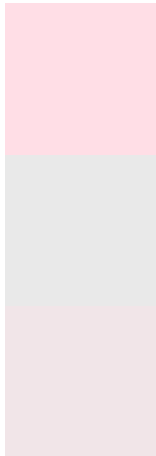
Deuteranomaly

81.5437, 79.5594, 85.9216

Tritanomaly

82.0918, 78.9711, 89.5135

Monochromacy



Original Color

81.6442, 79.2157, 85.8500

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.8604, 80.5656, 87.7383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6442, 79.2157, 85.8500 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, 222, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 230)  
}
```

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, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 230) }
```

Border

The CSS property to change the border of an element to XYZ 81.6442, 79.2157, 85.8500 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, 222, 230) }
```


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

```
.border{ border-color:rgb(255, 222, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6442, 79.2157, 85.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 230) }
```

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

```
.background{ background-color: rgb(255,  
222, 230) }
```

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