

Converting Colors

XYZ(101.4769, 90.0078,
85.8442)

Have a look what the booklet for
XYZ(101.4769, 90.0078, 85.8442)
contains.

XYZ(81.7705, 79.6925, 85.2012)	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(81.7705, 79.6925,
85.2012)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDFE5
RGB	255, 223, 229
RGB Percent	100%, 87%, 90%
CMY	0.0000, 0.1255, 0.1020
CMYK	0.00, 0.13, 0.10, 0.00
HSL	349°, 100%, 94%
HSV	349°, 13%, 100%
XYZ	81.7705, 79.6925, 85.2012
YIQ	233.2520, 17.1460, 8.6500

Conversions

Conversions Part 2

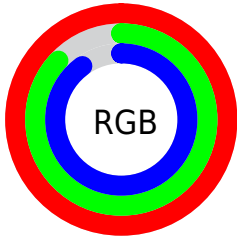
Format	Color
R_{YB}	255, 223, 229
Decimal	16768997
CIE _{Lab}	91.55, 11.98, 1.13
CIE _{LCh}	92, 12.032, 5.367
Yxy	79.6925, 0.3315, 0.3231
Android (android.graphics.Color)	4294959077 (0xFFFFDFE5)
YUV	233.2520, -2.0962, 19.0730
Hunter-Lab	89.2707, 7.2795, 5.9022

Details

The XYZ color **81.7705, 79.6925, 85.2012** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.2929, 94.0488, 103.3894**, and the grayscale version is **77.6498, 81.6936, 88.9644**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9313, 43.0670, 45.9890** is the 20% darker color. If you saturate the color by 10%, you get **72.7410, 65.9906, 68.7590**, and if you desaturate by 10%, it is **92.1751, 95.5912, 103.8077**.

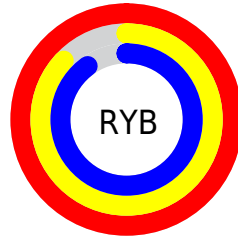
Distribution



Red (100%)

Green (87%)

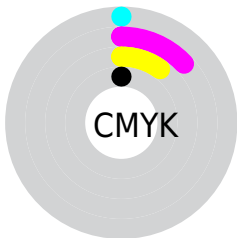
Blue (90%)



Red (100%)

Yellow (87%)

Blue (90%)

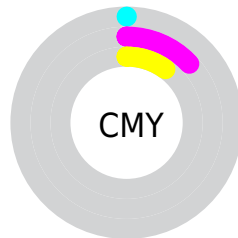


Cyan (0%)

Magenta (13%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7705, 79.6925, 85.2012 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 81.7705, 79.6925, 85.2012 by changing the saturation by 10% instead.


 81.7705, 79.6925,
85.2012

 81.7705, 79.6925,
85.2012


489.5258,
493.8959, 532.4555

 61.4898, 59.4653,
63.4565


134.7896,
132.9333, 142.5309

 44.8746, 42.9878,
45.7673


168.2588,
166.7158, 178.9530

 31.5596, 29.8756,
31.7149


206.8549,
205.7854, 221.1047

 21.1792, 19.7442,
20.8808

250.9432,
250.5267, 269.4045

 13.3683, 12.2092,
12.8465

300.8890,
301.3240, 324.2709

 7.7614, 6.8863,
7.1934

357.0579,

 3.9932, 3.3911,

358.5617, 386.1226

3.5031

419.8150,
422.6242, 455.3779

■ 1.6983, 1.3392,
1.3569

■ 0.4552, 0.1712,
0.1078

■ 81.7705, 79.6925,
85.2012

■ 81.7705, 79.6925,
85.2012

■ 72.7410, 65.9906,
68.7590

■ 92.1751, 95.5912,
103.8077

■ 65.0233, 54.3792,
54.3971

95.0500, 100.0000,
108.9000

■ 58.5571, 44.7582,
42.0333

■ 53.2754, 37.0152,
31.5781

■ 49.1049, 31.0267,
22.9350

■ 45.9636, 26.6543,
15.9989

■ 43.7580, 23.7386,
10.6533

■ 42.3766, 22.0874,
6.7662

■ 41.7691, 21.4716,
4.7161

Harmonies

Analogous

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



81.2341, 79.6925, 94.0041



81.7705, 79.6925, 85.2012



80.6574, 79.6925, 77.3573

Triad

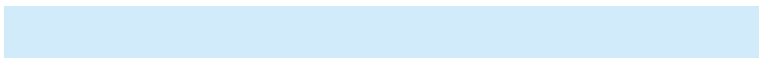
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7705, 79.6925, 85.2012



72.3825, 79.6925, 73.7133



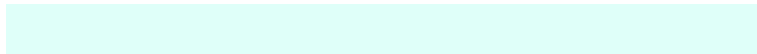
73.3135, 79.6925, 103.0492

Complementary

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



81.7705, 79.6925, 85.2012



83.2929, 94.0488, 103.3894

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.



71.0368, 79.6925, 96.9203



81.7705, 79.6925, 85.2012



70.5096, 79.6925, 79.9199

Square

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



81.7705, 79.6925, 85.2012



75.1950, 79.6925, 71.0173



70.0236, 79.6925, 88.3611



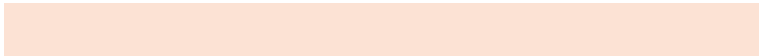
76.2983, 79.6925, 104.6987

Rectangle

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



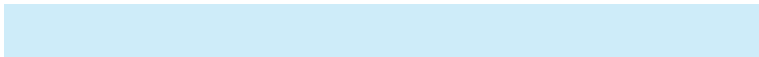
81.7705, 79.6925, 85.2012



79.1469, 79.6925, 73.6020



70.0236, 79.6925, 88.3611



72.4426, 79.6925, 101.4252

Sweetspot

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



81.7724, 79.6958, 85.2029



90.5759, 93.1415, 100.9666



83.3642, 80.0651, 105.6681



19.2123, 19.6687, 21.3002



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

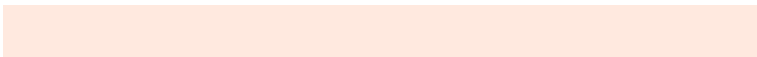
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7724, 79.6958, 85.2029



79.4319, 76.1343, 80.9715



83.5871, 84.6421, 81.7484



18.1484, 18.0427, 19.3987



21.8648, 11.2352, 2.6724



2.1642, 1.1080, 0.4459

Inverse Universe

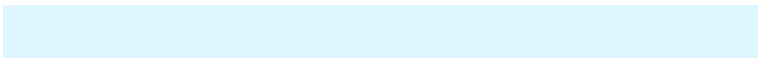
The Inverse Universe completely reimagines the original color for something new.



81.7724, 79.6958, 85.2029



79.4319, 76.1343, 80.9715



81.2574, 88.4572, 107.3990



18.1484, 18.0427, 19.3987



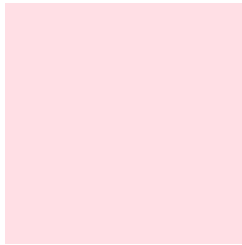
21.8648, 11.2352, 2.6724



2.1642, 1.1080, 0.4459

Previews

White Background



This preview shows how the XYZ color 81.7705, 79.6925, 85.2012 looks on a white background.

Color Contrast Check

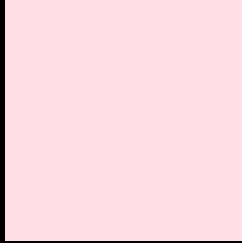
Large Text (above 18pt) WCAG AA × Fail

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 81.7705, 79.6925, 85.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

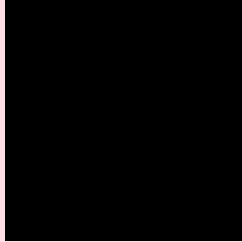
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7705, 79.6925, 85.2012

Background



This preview shows how black text looks on a background with the XYZ color 81.7705, 79.6925, 85.2012.

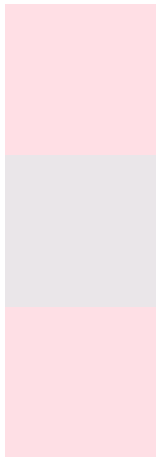


This preview shows how white text looks on a background with the XYZ color 81.7705, 79.6925,

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

81.7705, 79.6925, 85.2012

Protanopia

76.9365, 79.9692, 88.4714

Deuteranopia

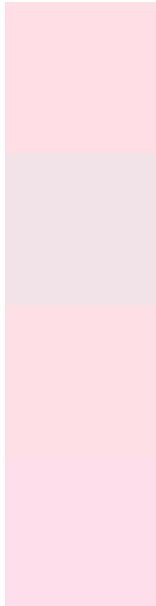
81.4036, 79.5033, 85.1840



Tritanopia

82.7939, 79.6756, 91.9041

Trichromacy



Original Color

81.7705, 79.6925, 85.2012

Protanomaly

78.6525, 79.6416, 87.5709

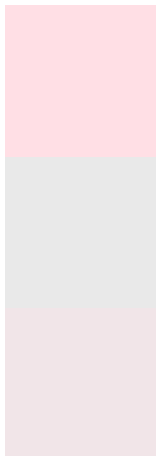
Deuteranomaly

81.4036, 79.5033, 85.1840

Tritanomaly

82.3567, 79.5007, 89.6018

Monochromacy



Original Color

81.7705, 79.6925, 85.2012

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 81.7705, 79.6925, 85.2012 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, 223, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 229)  
}
```

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, 223, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 229) }
```

Border

The CSS property to change the border of an element to XYZ 81.7705, 79.6925, 85.2012 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, 223, 229) }
```


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

```
.border{ border-color:rgb(255, 223, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7705, 79.6925, 85.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 229) }
```

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

```
.background{ background-color: rgb(255,  
223, 229) }
```

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