

Converting Colors

XYZ(82.3657, 79.4406, 89.8460)

Have a look what the booklet for
XYZ(82.3657, 79.4406, 89.8460)
contains.

XYZ(82.3567, 79.5007, 89.6018)	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(82.3567, 79.5007,
89.6018)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEEB
RGB	255, 222, 235
RGB Percent	100%, 87%, 92%
CMY	0.0000, 0.1294, 0.0784
CMYK	0.00, 0.13, 0.08, 0.00
HSL	336°, 100%, 94%
HSV	336°, 13%, 100%
XYZ	82.3567, 79.5007, 89.6018
YIQ	233.3490, 15.4950, 11.0390

Conversions

Conversions Part 2

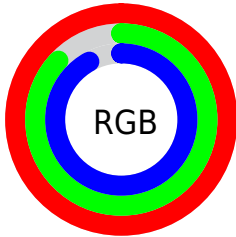
Format	Color
R _Y B	255, 222, 235
Decimal	16768747
CIE Lab	91.46, 13.49, -2.14
CIE LCh	91, 13.654, 350.969
Yxy	79.5007, 0.3275, 0.3162
Android (android.graphics.Color)	4294958827 (0xFFFFDEEB)
YUV	233.3490, 0.8139, 18.9879
Hunter-Lab	89.1632, 8.8383, 2.8325

Details

The XYZ color **82.3567, 79.5007, 89.6018** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9137, 93.4616, 97.7304**, and the grayscale version is **77.7025, 81.7491, 89.0247**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2441, 42.8979, 48.5433** is the 20% darker color. If you saturate the color by 10%, you get **73.9524, 66.1117, 76.2581**, and if you desaturate by 10%, it is **91.9829, 95.0223, 104.3123**.

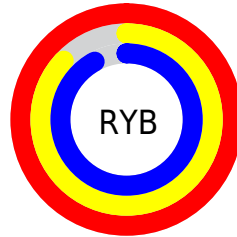
Distribution



Red (100%)

Green (87%)

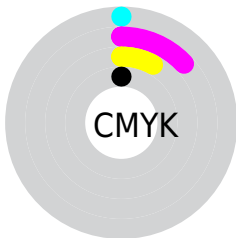
Blue (92%)



Red (100%)

Yellow (87%)

Blue (92%)

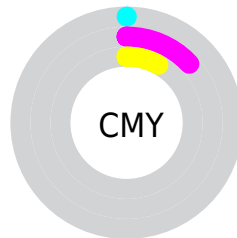


Cyan (0%)

Magenta (13%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3567, 79.5007, 89.6018 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 82.3567, 79.5007, 89.6018 by changing the saturation by 10% instead.

 82.3567, 79.5007,
89.6018

 82.3567, 79.5007,
89.6018


491.4565,
493.2486, 547.2713

 61.9747, 59.3076,
67.0786

135.6073,
132.6635, 148.7158

 45.2678, 42.8608,
48.6865


169.2067,
166.4020, 186.1437

 31.8706, 29.7759,
34.0070


207.9425,
205.4244, 229.3769

 21.4177, 19.6685,
22.6216

252.1802,
250.1150, 278.8340

 13.5439, 12.1543,
14.1117

302.2851,
300.8584, 334.9334

 7.8837, 6.8489,
8.0587

358.6225,

 4.0718, 3.3678,

358.0388, 398.0937

4.0442

421.5579,
422.0408, 468.7335

■ 1.7428, 1.3266,
1.6496

■ 0.4829, 0.1617,
0.3259

■ 82.3567, 79.5007,
89.6018

■ 82.3567, 79.5007,
89.6018

■ 73.9524, 66.1117,
76.2581

■ 91.9829, 95.0223,
104.3123

■ 66.7138, 54.7520,
64.2349

95.0500, 100.0000,
108.9000

■ 60.5884, 45.3240,
53.4906

■ 55.5172, 37.7184,
43.9793

■ 51.4354, 31.8147,
35.6519

■ 48.2709, 27.4779,
28.4552

■ 45.9407, 24.5521,
22.3310

■ 44.3451, 22.8483,
17.2138

■ 43.5615, 22.1886,
14.1551

Harmonies

Analogous

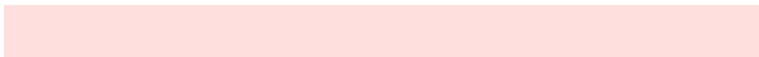
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8738, 79.5007, 99.1829



82.3567, 79.5007, 89.6018



81.9763, 79.5007, 79.8930

Triad

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



82.3567, 79.5007, 89.6018



73.1968, 79.5007, 69.8936



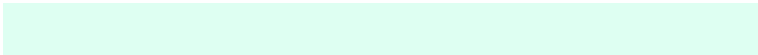
71.4324, 79.5007, 102.2967

Complementary

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



82.3567, 79.5007, 89.6018



81.9137, 93.4616, 97.7304

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.



69.4933, 79.5007, 93.5938



82.3567, 79.5007, 89.6018



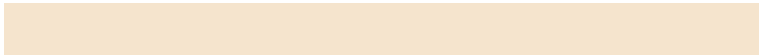
70.4900, 79.5007, 75.0613

Square

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



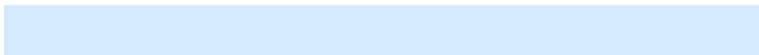
82.3567, 79.5007, 89.6018



76.6169, 79.5007, 69.0041



69.1536, 79.5007, 83.5932



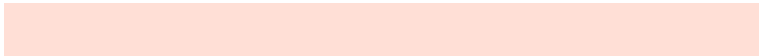
74.5189, 79.5007, 106.8727

Rectangle

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



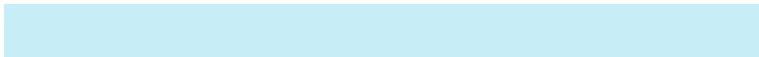
82.3567, 79.5007, 89.6018



80.7219, 79.5007, 74.6114



69.1536, 79.5007, 83.5932



70.6288, 79.5007, 99.7267

Sweetspot

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



82.3585, 79.5040, 89.6035



90.9024, 93.2720, 102.6856



80.7230, 78.3080, 105.4681



19.2947, 19.7017, 21.7342



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

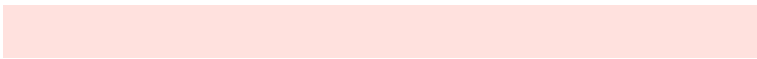
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3585, 79.5040, 89.6035



79.6581, 75.1828, 85.3753



81.4334, 80.5499, 80.3671



18.3057, 18.1056, 20.2267



22.8301, 11.6213, 7.7557



2.2748, 1.1523, 1.0284

Inverse Universe

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



82.3585, 79.5040, 89.6035



79.6581, 75.1828, 85.3753



82.8925, 92.1834, 108.0320



18.3057, 18.1056, 20.2267



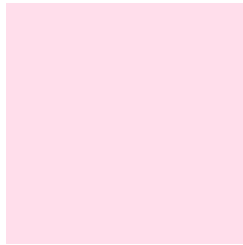
22.8301, 11.6213, 7.7557



2.2748, 1.1523, 1.0284

Previews

White Background



This preview shows how the XYZ color 82.3567, 79.5007, 89.6018 looks on a white background.

Color Contrast Check

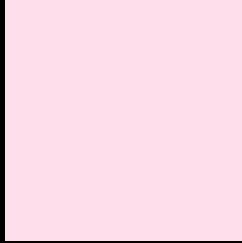
Large Text (above 18pt) WCAG AA × Fail

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 82.3567, 79.5007, 89.6018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

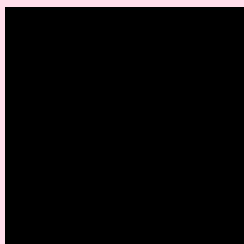
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3567, 79.5007, 89.6018

Background



This preview shows how black text looks on a background with the XYZ color 82.3567, 79.5007, 89.6018.



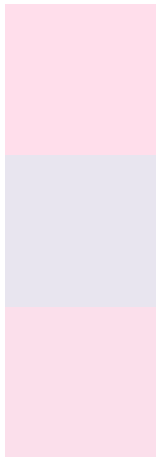
This preview shows how white text looks on a background with the XYZ color 82.3567, 79.5007,

89.6018.

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

82.3567, 79.5007, 89.6018

Protanopia

76.8780, 79.4264, 92.9403

Deuteranopia

81.1667, 79.2827, 89.6224



Tritanopia

82.9413, 79.7345, 92.6802

Trichromacy



Original Color

82.3567, 79.5007, 89.6018

Protanomaly

78.5642, 79.0910, 92.0142

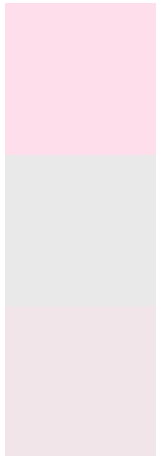
Deuteranomaly

81.5280, 79.4690, 89.6393

Tritanomaly

82.7939, 79.6756, 91.9041

Monochromacy



Original Color

82.3567, 79.5007, 89.6018

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

79.1462, 80.6799, 89.2432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3567, 79.5007, 89.6018 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 235) }
```

Border

The CSS property to change the border of an element to XYZ 82.3567, 79.5007, 89.6018 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, 235) }
```


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

```
.border{ border-color:rgb(255, 222, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3567, 79.5007, 89.6018 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
222, 235) }
```

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