

Converting Colors

XYZ(88.7307, 82.9043,
100.1345)

Have a look what the booklet for
XYZ(88.7307, 82.9043, 100.1345)
contains.

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Color

**XYZ(84.5710, 80.8127,
99.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDFF8
RGB	255, 223, 248
RGB Percent	100%, 87%, 97%
CMY	0.0000, 0.1255, 0.0274
CMYK	0.00, 0.13, 0.03, 0.00
HSL	313°, 100%, 94%
HSV	313°, 13%, 100%
XYZ	84.5710, 80.8127, 99.9480
YIQ	235.4180, 11.0470, 14.5590

Conversions

Conversions Part 2

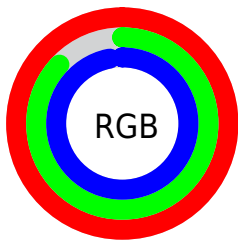
Format	Color
RYB	255, 223, 248
Decimal	16769016
CIELab	92.05, 15.19, -8.08
CIELCh	92, 17.202, 331.976
Yxy	80.8127, 0.3187, 0.3046
Android (android.graphics.Color)	4294959096 (0xFFFFDFF8)
YUV	235.4180, 6.2029, 17.1734
Hunter-Lab	89.8959, 10.6090, -2.9927

Details

The XYZ color **84.5710, 80.8127, 99.9480** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.4768, 92.9223, 88.5604**, and the grayscale version is **79.2341, 83.3604, 90.7795**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8058, 43.8168, 55.8597** is the 20% darker color. If you saturate the color by 10%, you get **77.4120, 67.8589, 93.3563**, and if you desaturate by 10%, it is **92.7853, 95.8352, 107.0210**.

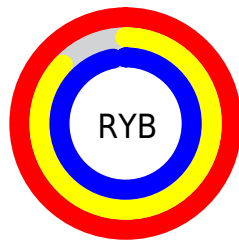
Distribution



Red (100%)

Green (87%)

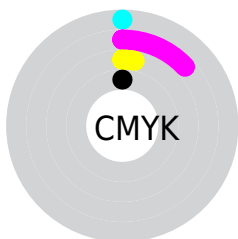
Blue (97%)



Red (100%)

Yellow (87%)

Blue (97%)

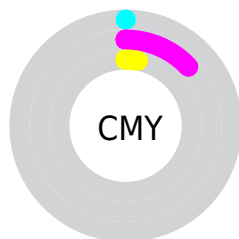


Cyan (0%)

Magenta (13%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5710, 80.8127, 99.9480 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 84.5710, 80.8127, 99.9480 by changing the saturation by 10% instead.


 84.5710, 80.8127,
99.9480

 84.5710, 80.8127,
99.9480

498.7125,
497.6675, 581.2712

 63.8083, 60.3874,
75.6405


138.6908,
134.5077, 163.1370

 46.7565, 43.7309,
55.6329


172.7785,
168.5462, 202.8555

 33.0503, 30.4590,
39.5066


212.0387,
207.8912, 248.5481

 22.3244, 20.1873,
26.8432

256.8365,
252.9271, 300.6333

 14.2134, 12.5312,
17.2241

307.5375,
304.0383, 359.5297

 8.3519, 7.1066,
10.2308

364.5069,

 4.3747, 3.5288,

361.6091, 425.6558

5.4446

428.1101,
426.0241, 499.4301

■ 1.9162, 1.4137,
2.4472

■ 0.5862, 0.2268,
0.8120

■ 84.5710, 80.8127,
99.9480

■ 84.5710, 80.8127,
99.9480

■ 77.4120, 67.8589,
93.3563

■ 92.7853, 95.8352,
107.0210

■ 71.2571, 56.8727,
87.2244

95.0500, 100.0000,
108.9000

■ 66.0587, 47.7588,
81.5363

■ 61.7630, 40.4101,
76.2731

■ 58.3110, 34.7091,
71.4139

■ 55.6364, 30.5234,
66.9355

■ 53.6628, 27.7005,
62.8112

■ 52.2975, 26.0558,
59.0091

■ 51.5744, 25.3938,
56.3502

Harmonies

Analogous

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



81.4060, 80.8127, 110.3303



84.5710, 80.8127, 99.9480



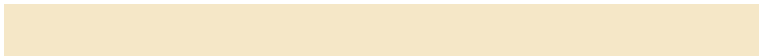
85.6341, 80.8127, 87.1535

Triad

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



84.5710, 80.8127, 99.9480



76.5169, 80.8127, 65.8092



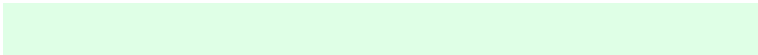
69.8141, 80.8127, 101.5413

Complementary

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



84.5710, 80.8127, 99.9480



80.4768, 92.9223, 88.5604

Split Complementary

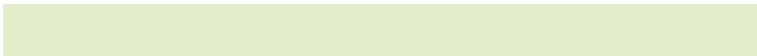
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.6140, 80.8127, 88.8345



84.5710, 80.8127, 99.9480



72.3904, 80.8127, 68.8916

Square

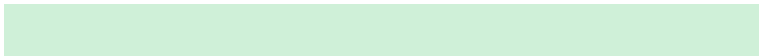
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5710, 80.8127, 99.9480



80.8788, 80.8127, 68.1800



69.5390, 80.8127, 77.0283



72.8801, 80.8127, 111.3105

Rectangle

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



84.5710, 80.8127, 99.9480



84.9763, 80.8127, 79.1811



69.5390, 80.8127, 77.0283



69.1845, 80.8127, 97.4319

Sweetspot

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



84.5728, 80.8159, 99.9497



91.5247, 93.5210, 105.9630



77.0525, 76.8112, 105.3727



19.4523, 19.7647, 22.5641



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.



84.5728, 80.8159, 99.9497



82.7204, 77.4497, 98.2885



82.2048, 79.8687, 87.4803



18.6126, 18.2283, 21.8428



27.0068, 13.2920, 29.7501



2.6697, 1.3102, 3.1078

Inverse Universe

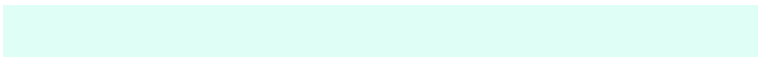
The Inverse Universe completely reimagines the original color for something new.



84.5728, 80.8159, 99.9497



82.7204, 77.4497, 98.2885



82.8178, 93.8587, 100.8881



18.6126, 18.2283, 21.8428



27.0068, 13.2920, 29.7501



2.6697, 1.3102, 3.1078

Previews

White Background



This preview shows how the XYZ color 84.5710, 80.8127, 99.9480 looks on a white background.

Color Contrast Check

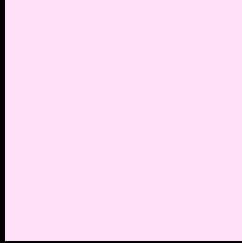
Large Text (above 18pt) WCAG AA × Fail

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 84.5710, 80.8127, 99.9480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

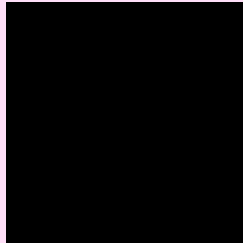
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.5710, 80.8127, 99.9480

Background



This preview shows how black text looks on a background with the XYZ color 84.5710, 80.8127, 99.9480.



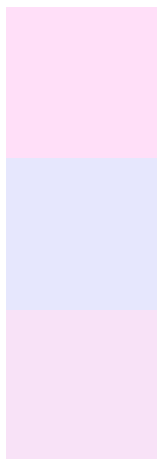
This preview shows how white text looks on a background with the XYZ color 84.5710, 80.8127,

99.9480.

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

84.5710, 80.8127, 99.9480

Protanopia

78.9387, 81.0667, 104.4154

Deuteranopia

82.6963, 81.0646, 99.2842



Tritanopia

83.5557, 80.7929, 95.1951

Trichromacy



Original Color

84.5710, 80.8127, 99.9480

Protanomaly

80.7526, 80.8026, 102.6071

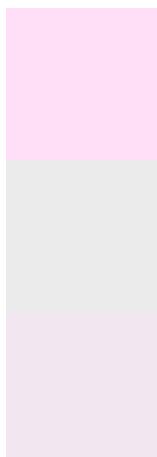
Deuteranomaly

83.4974, 81.0751, 99.2440

Tritanomaly

83.8578, 80.9138, 96.7861

Monochromacy



Original Color

84.5710, 80.8127, 99.9480

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

80.9220, 82.3203, 94.0624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5710, 80.8127, 99.9480 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 248) }
```

Border

The CSS property to change the border of an element to XYZ 84.5710, 80.8127, 99.9480 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, 248) }
```


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

```
.border{ border-color:rgb(255, 223, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5710, 80.8127, 99.9480 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
223, 248) }
```

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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