

Converting Colors

XYZ(122.9154, 100.0000,
106.2359)

Have a look what the booklet for
XYZ(122.9154, 100.0000, 106.2359)
contains.

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Color

**XYZ(85.2507, 80.6583,
104.8413)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEFE
RGB	255, 222, 254
RGB Percent	100%, 87%, 100%
CMY	0.0000, 0.1294, 0.0039
CMYK	0.00, 0.13, 0.00, 0.00
HSL	302°, 100%, 94%
HSV	302°, 13%, 100%
XYZ	85.2507, 80.6583, 104.8413
YIQ	235.5150, 9.3960, 16.9480

Conversions

Conversions Part 2

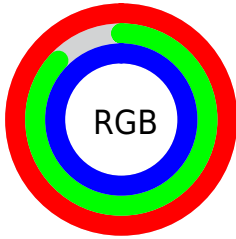
Format	Color
R _Y B	255, 222, 254
Decimal	16768766
CIE Lab	91.98, 16.77, -11.32
CIE LCh	92, 20.232, 325.969
Yxy	80.6583, 0.3149, 0.2979
Android (android.graphics.Color)	4294958846 (0xFFFFDEF6)
YUV	235.5150, 9.1131, 17.0883
Hunter-Lab	89.8100, 12.2709, -6.3463

Details

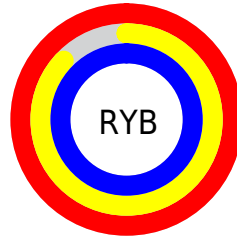
The XYZ color **85.2507, 80.6583, 104.8413** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.2058, 92.3785, 83.4714**, and the grayscale version is **79.2874, 83.4165, 90.8406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1855, 43.6744, 58.7664** is the 20% darker color. If you saturate the color by 10%, you get **78.8604, 68.0749, 102.1037**, and if you desaturate by 10%, it is **92.6691, 95.2967, 107.9263**.

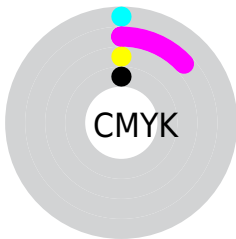
Distribution



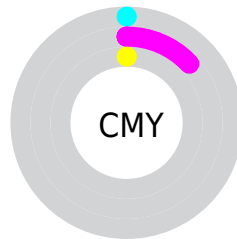
- Red (100%)
- Green (87%)
- Blue (100%)



- Red (100%)
- Yellow (87%)
- Blue (100%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2507, 80.6583, 104.8413 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 85.2507, 80.6583, 104.8413 by changing the saturation by 10% instead.

85.2507, 80.6583,
104.8413

85.2507, 80.6583,
104.8413

500.9284,
497.1486, 596.9840

64.3717, 60.2602,
79.7105

139.6356,
134.2909, 169.9042

47.2146, 43.6284,
58.9554

173.8723,
168.2942, 210.6733

33.4140, 30.3785,
42.1574

213.2922,
207.6013, 257.4923

22.6045, 20.1260,
28.8981

258.2608,
252.5967, 310.7797

14.4209, 12.4867,
18.7588

309.1433,
303.6647, 370.9540

8.4976, 7.0761,
11.3211

366.3052,

4.4694, 3.5097,

361.1898, 438.4338

6.1664

430.1118,
425.5563, 513.6377

■ 1.9710, 1.4033,
2.8761

■ 0.6176, 0.2191,
1.0317

■ 85.2507, 80.6583,
104.8413

■ 85.2507, 80.6583,
104.8413

■ 78.8604, 68.0749,
102.1037

■ 92.6691, 95.2967,
107.9263

■ 73.4473, 57.4453,
99.6932

95.0500, 100.0000,
108.9000

■ 68.9638, 48.6741,
97.5950

■ 65.3562, 41.6539,
95.7912

■ 62.5655, 36.2667,
94.2622

■ 60.5252, 32.3797,
92.9857

■ 59.1587, 29.8393,
91.9363

■ 58.3728, 28.4594,
91.0828

■ 58.0721, 27.9928,
90.5664

Harmonies

Analogous

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



81.1249, 80.6583, 116.1614



85.2507, 80.6583, 104.8413



87.0748, 80.6583, 89.8513

Triad

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



85.2507, 80.6583, 104.8413



77.3682, 80.6583, 62.2460



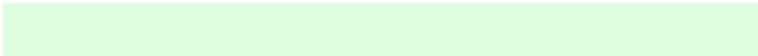
68.0218, 80.6583, 100.9669

Complementary

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



85.2507, 80.6583, 104.8413



79.2058, 92.3785, 83.4714

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.



67.1166, 80.6583, 85.8258



85.2507, 80.6583, 104.8413



72.3683, 80.6583, 64.5149

Square

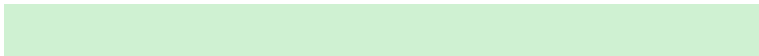
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2507, 80.6583, 104.8413



82.3956, 80.6583, 66.1675



68.6728, 80.6583, 72.7541



71.2032, 80.6583, 113.7530

Rectangle

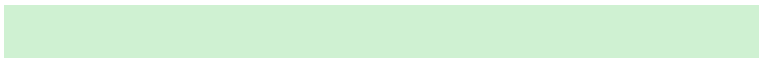
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2507, 80.6583, 104.8413



86.6824, 80.6583, 80.1791



68.6728, 80.6583, 72.7541



67.4476, 80.6583, 95.9383

Sweetspot

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



85.2524, 80.6615, 104.8430



91.8323, 93.6440, 107.5824



74.4675, 75.0831, 105.1754



19.5304, 19.7960, 22.9754



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.



85.2524, 80.6615, 104.8430



83.1890, 76.5952, 103.9686



82.7885, 79.6759, 91.8683



18.7675, 18.2903, 22.6589



30.3546, 14.6311, 47.3790



2.9627, 1.4275, 4.6510

Inverse Universe

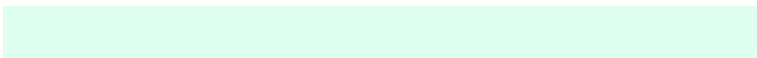
The Inverse Universe completely reimagines the original color for something new.



85.2524, 80.6615, 104.8430



83.1890, 76.5952, 103.9686



81.4738, 93.2856, 95.4140



18.7675, 18.2903, 22.6589



30.3546, 14.6311, 47.3790



2.9627, 1.4275, 4.6510

Previews

White Background



This preview shows how the XYZ color 85.2507, 80.6583, 104.8413 looks on a white background.

Color Contrast Check

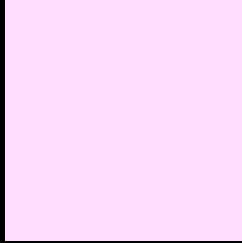
Large Text (above 18pt) WCAG AA × Fail

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 85.2507, 80.6583, 104.8413 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 85.2507, 80.6583, 104.8413

Background



This preview shows how black text looks on a background with the XYZ color 85.2507, 80.6583, 104.8413.

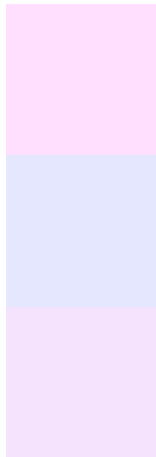


This preview shows how white text looks on a background with the XYZ color 85.2507, 80.6583,

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

85.2507, 80.6583, 104.8413

Protanopia

78.9390, 81.0298, 106.0875

Deuteranopia

82.5822, 80.8970, 104.1906



Tritanopia

83.1907, 80.6048, 95.1781

Trichromacy



Original Color

85.2507, 80.6583, 104.8413

Protanomaly

81.0533, 80.8839, 105.9479

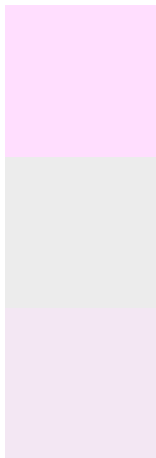
Deuteranomaly

83.7218, 81.0820, 104.1663

Tritanomaly

83.8953, 80.5000, 98.3051

Monochromacy



Original Color

85.2507, 80.6583, 104.8413

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

81.7157, 82.6776, 96.4455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.2507, 80.6583, 104.8413 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 254) }
```

Border

The CSS property to change the border of an element to XYZ 85.2507, 80.6583, 104.8413 is called "border". The border property can be set on classes, ids or directly on the HTML element.

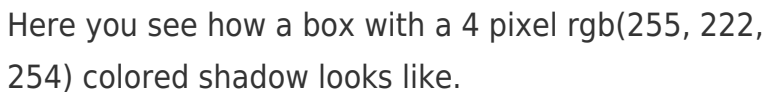
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 222, 254) }
```


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

```
.border{ border-color:rgb(255, 222, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 222, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 222, 254); box-shadow:4px 4px 4px 4px rgb(255, 222, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2507, 80.6583, 104.8413 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
222, 254) }
```

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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