

# Converting Colors

XYZ(88.2813, 83.0369, 95.0140)

Have a look what the booklet for  
XYZ(88.2813, 83.0369, 95.0140)  
contains.

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# Color

**XYZ(83.9227, 80.9821,  
95.2123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0F2
RGB	255, 224, 242
RGB Percent	100%, 88%, 95%
CMY	0.0000, 0.1215, 0.0510
CMYK	0.00, 0.12, 0.05, 0.00
HSL	325°, 100%, 94%
HSV	325°, 12%, 100%
XYZ	83.9227, 80.9821, 95.2123
YIQ	235.3210, 12.6980, 12.1700

# Conversions

## Conversions Part 2

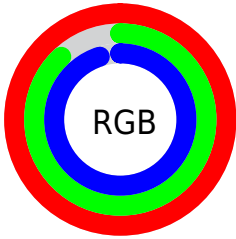
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 224, 242
Decimal	16769266
CIE <sub>Lab</sub>	92.12, 13.63, -4.83
CIE <sub>LCh</sub>	92, 14.460, 340.475
Yxy	80.9821, 0.3226, 0.3113
Android (android.graphics.Color)	4294959346 (0xFFFFE0F2)
YUV	235.3210, 3.2927, 17.2585
Hunter-Lab	89.9901, 8.9825, 0.2624

# Details

The XYZ color **83.9227, 80.9821, 95.2123** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.7890, 93.4829, 93.8574**, and the grayscale version is **79.1807, 83.3043, 90.7183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3396, 43.9269, 52.4907** is the 20% darker color. If you saturate the color by 10%, you get **76.0171, 67.6667, 84.8834**, and if you desaturate by 10%, it is **92.9534, 96.3970, 106.3820**.

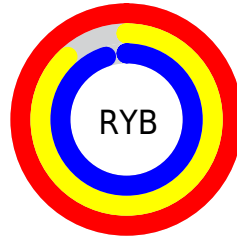
# Distribution



Red (100%)

Green (88%)

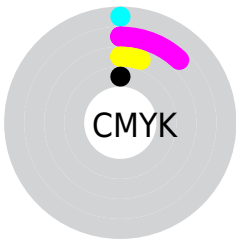
Blue (95%)



Red (100%)

Yellow (88%)

Blue (95%)

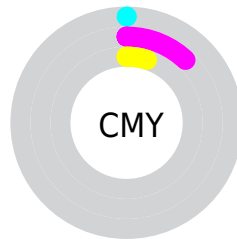


Cyan (0%)

Magenta (12%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9227, 80.9821, 95.2123 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 83.9227, 80.9821, 95.2123 by changing the saturation by 10% instead.




 83.9227, 80.9821,  
95.2123

 83.9227, 80.9821,  
95.2123


496.5940,  
498.2364, 565.8461

 63.2711, 60.5269,  
71.7138


137.7889,  
134.7456, 156.5560

 46.3200, 43.8434,  
52.4395


171.7341,  
168.8227, 195.2383

 32.7041, 30.5474,  
36.9709


210.8414,  
208.2092, 239.8189

 22.0580, 20.2545,  
24.8893

255.4759,  
253.2895, 290.7164

 14.0164, 12.5802,  
15.7764

306.0031,  
304.4479, 348.3493

 8.2138, 7.1401,  
9.2134

362.7882,

 4.2850, 3.5499,

362.0690, 413.1362

4.7819

426.1968,  
426.5370, 485.4956

■ 1.8646, 1.4251,  
2.0634

■ 0.5561, 0.2351,  
0.5939

■ 83.9227, 80.9821,  
95.2123

■ 83.9227, 80.9821,  
95.2123

■ 76.0171, 67.6667,  
84.8834

■ 92.9534, 96.3970,  
106.3820

■ 69.1843, 56.3492,  
75.3665

95.0500, 100.0000,  
108.9000

■ 63.3753, 46.9342,  
66.6385

■ 58.5351, 39.3144,  
58.6726

■ 54.6035, 33.3721,  
51.4404

■ 51.5130, 28.9750,  
44.9106

■ 49.1859, 25.9708,  
39.0481

■ 47.5289, 24.1760,  
33.8125

■ 46.5898, 23.3999,  
30.1015

# Harmonies

## Analogous

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



81.7158, 80.9821, 104.7223



83.9227, 80.9821, 95.2123



84.2330, 80.9821, 84.4977

# Triad

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



83.9227, 80.9821, 95.2123



75.6758, 80.9821, 69.4996



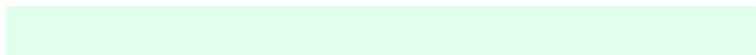
71.6490, 80.9821, 102.1761

# Complementary

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



83.9227, 80.9821, 95.2123



81.7890, 93.4829, 93.8574

# 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.



70.1390, 80.9821, 91.9590



83.9227, 80.9821, 95.2123



72.4136, 80.9821, 73.4709

# Square

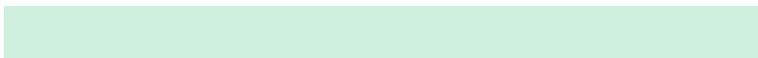
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



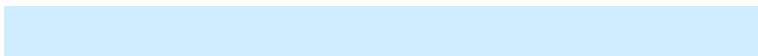
83.9227, 80.9821, 95.2123



79.3903, 80.9821, 70.2170



70.4143, 80.9821, 81.4947



74.6014, 80.9821, 108.9619

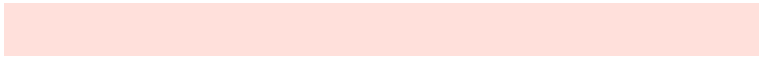


# Rectangle

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



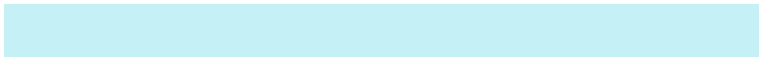
83.9227, 80.9821, 95.2123



83.3121, 80.9821, 78.1737



70.4143, 80.9821, 81.4947



70.9602, 80.9821, 98.9965

# Sweetspot

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



83.9245, 80.9854, 95.2140



91.2008, 93.3914, 104.2570



79.6056, 78.5252, 105.5690



19.3702, 19.7319, 22.1317



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.



83.9245, 80.9854, 95.2140



81.5623, 76.9865, 92.1903



81.7056, 80.0978, 83.5299



18.4517, 18.1640, 20.9955



24.4204, 12.2574, 16.1300



2.4323, 1.2153, 1.8578



# Inverse Universe

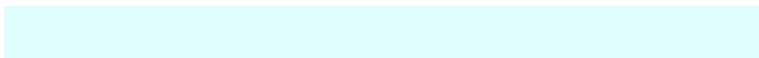
The Inverse Universe completely reimagines the original color for something new.



83.9245, 80.9854, 95.2140



81.5623, 76.9865, 92.1903



84.1392, 94.4230, 106.2333



18.4517, 18.1640, 20.9955



24.4204, 12.2574, 16.1300



2.4323, 1.2153, 1.8578



# Previews

## White Background



This preview shows how the XYZ color 83.9227, 80.9821, 95.2123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

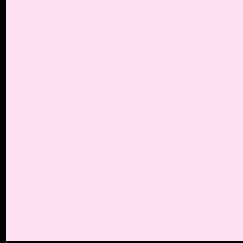
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9227, 80.9821, 95.2123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

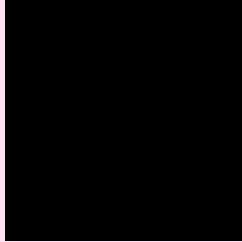
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.9227, 80.9821, 95.2123**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.9227, 80.9821, 95.2123.



This preview shows how white text looks on a background with the XYZ color 83.9227, 80.9821,

95.2123.

# 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

83.9227, 80.9821, 95.2123

### Protanopia

78.8147, 81.1293, 98.6943

### Deuteranopia

83.0070, 81.3127, 95.3244



## Tritanopia

83.9227, 80.9821, 95.2123

# Trichromacy



## Original Color

83.9227, 80.9821, 95.2123

## Protanomaly

80.5005, 80.7801, 97.7355

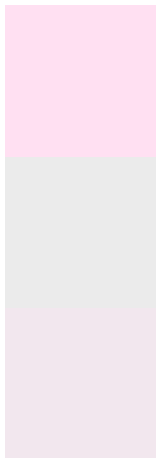
## Deuteranomaly

83.0971, 80.9567, 95.2509

## Tritanomaly

83.9227, 80.9821, 95.2123

# Monochromacy



## Original Color

83.9227, 80.9821, 95.2123

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

80.6265, 82.2021, 92.5060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9227, 80.9821, 95.2123 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, 224, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 242)  
}
```

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, 224, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9227, 80.9821, 95.2123 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, 224, 242) }
```



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

```
.border{ border-color:rgb(255, 224, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9227, 80.9821, 95.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 242) }
```

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

```
.background{ background-color: rgb(255,  
224, 242) }
```

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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