

# Converting Colors

XYZ(84.1868, 78.3915, 95.9733)

Have a look what the booklet for  
XYZ(84.1868, 78.3915, 95.9733)  
contains.

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# Color

**XYZ(82.3820, 77.4174,  
96.1890)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFD9F4                     |
| RGB         | 255, 217, 244              |
| RGB Percent | 100%, 85%, 96%             |
| CMY         | 0.0000, 0.1490, 0.0431     |
| CMYK        | 0.00, 0.15, 0.04, 0.00     |
| HSL         | 317°, 100%, 93%            |
| HSV         | 317°, 15%, 100%            |
| XYZ         | 82.3820, 77.4174, 96.1890  |
| YIQ         | 231.4400, 13.9810, 16.4530 |

# Conversions

## Conversions Part 2

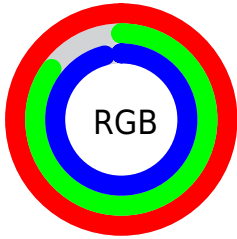
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>YB</sub>                     | 255, 217, 244                |
| Decimal                             | 16767476                     |
| CIE Lab                             | 90.51, 17.62, -8.26          |
| CIE LCh                             | 91, 19.456, 334.876          |
| Yxy                                 | 77.4174, 0.3218,<br>0.3024   |
| Android<br>(android.graphics.Color) | 4294957556<br>(0xFFFFD9F4)   |
| YUV                                 | 231.4400, 6.1921,<br>20.6621 |
| Hunter-Lab                          | 87.9872, 13.1513,<br>-3.2258 |

# Details

The XYZ color **82.3820, 77.4174, 96.1890** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.3813, 91.8743, 87.0045**, and the grayscale version is **76.2330, 80.2031, 87.3411**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2861, 41.4773, 53.1960** is the 20% darker color. If you saturate the color by 10%, you get **75.2119, 64.8349, 88.3800**, and if you desaturate by 10%, it is **90.6160, 92.0551, 104.5763**.

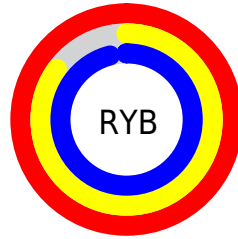
# Distribution



Red (100%)

Green (85%)

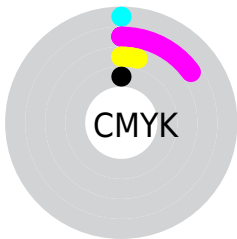
Blue (96%)



Red (100%)

Yellow (85%)

Blue (96%)

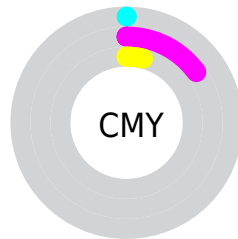


Cyan (0%)

Magenta (15%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3820, 77.4174, 96.1890 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 82.3820, 77.4174, 96.1890 by changing the saturation by 10% instead.




 82.3820, 77.4174,  
96.1890

 82.3820, 77.4174,  
96.1890


491.5397,  
486.1860, 569.0458

 61.9956, 57.5955,  
72.5226


135.6426,  
129.7285, 157.9159

 45.2848, 41.4836,  
53.0963


169.2475,  
162.9865, 196.8135

 31.8840, 28.6971,  
37.4914


207.9894,  
201.4921, 241.6253

 21.4280, 18.8518,  
25.2894

252.2335,  
245.6295, 292.7698

 13.5515, 11.5633,  
16.0718

302.3452,  
295.7832, 350.6656

 7.8890, 6.4470,  
9.4201

358.6900,

 4.0752, 3.1188,

352.3376, 415.7311

4.9157

421.6330,  
415.6770, 488.3850

■ 1.7448, 1.1940,  
2.1400

■ 0.4840, 0.0568,  
0.6394

■ 82.3820, 77.4174,  
96.1890

■ 82.3820, 77.4174,  
96.1890

■ 75.2119, 64.8349,  
88.3800

■ 90.6160, 92.0551,  
104.5763

■ 69.0534, 54.2050,  
81.1261

95.0500, 100.0000,  
108.9000

■ 63.8577, 45.4306,  
74.4094

■ 59.5697, 38.4021,  
68.2090

■ 56.1284, 32.9988,  
62.5019

■ 53.4653, 29.0841,  
57.2623

■ 51.5003, 26.4992,  
52.4609

■ 50.1354, 25.0485,  
48.0621

■ 49.5992, 24.6037,  
45.9489

# Harmonies

## Analogous

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



79.0628, 77.4174, 108.2401



82.3820, 77.4174, 96.1890



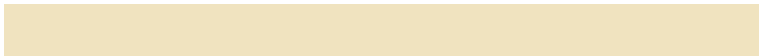
83.3032, 77.4174, 82.0375

# Triad

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



82.3820, 77.4174, 96.1890



72.7906, 77.4174, 60.3182



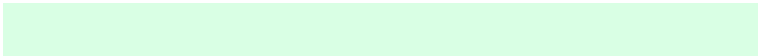
66.1719, 77.4174, 100.5610

# Complementary

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



82.3820, 77.4174, 96.1890



78.3813, 91.8743, 87.0045

# 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.



64.6498, 77.4174, 86.5923



82.3820, 77.4174, 96.1890



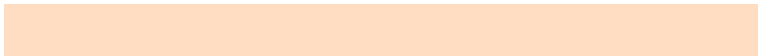
68.3623, 77.4174, 64.1696

# Square

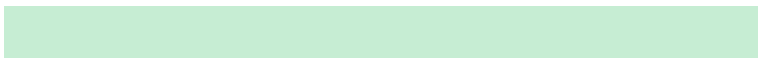
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



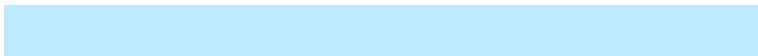
82.3820, 77.4174, 96.1890



77.6267, 77.4174, 62.2895



65.4338, 77.4174, 73.4231



69.6820, 77.4174, 110.9529

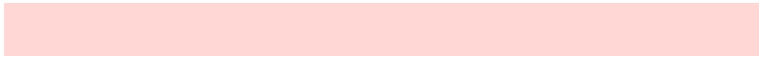


# Rectangle

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



82.3820, 77.4174, 96.1890



82.4004, 77.4174, 73.5189



65.4338, 77.4174, 73.4231



65.4180, 77.4174, 96.0744

# Sweetspot

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



82.3837, 77.4205, 96.1906



91.4101, 93.4751, 105.3594



74.7867, 73.3053, 104.8154



19.4233, 19.7531, 22.4110



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.



82.3837, 77.4205, 96.1906



80.0489, 73.3036, 93.7084



79.6775, 76.3380, 81.9398



18.5553, 18.2055, 21.5416



25.9847, 12.8832, 24.3674



2.5775, 1.2734, 2.6225



# Inverse Universe

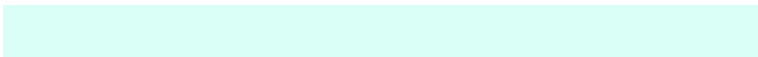
The Inverse Universe completely reimagines the original color for something new.



82.3837, 77.4205, 96.1906



80.0489, 73.3036, 93.7084



81.1298, 92.9737, 101.4778



18.5553, 18.2055, 21.5416



25.9847, 12.8832, 24.3674

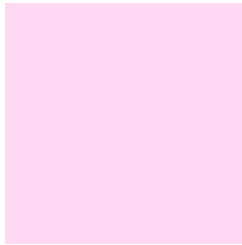


2.5775, 1.2734, 2.6225



# Previews

## White Background



This preview shows how the XYZ color 82.3820, 77.4174, 96.1890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

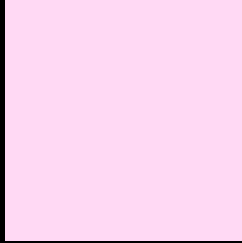
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3820, 77.4174, 96.1890 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 82.3820, 77.4174, 96.1890**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.3820, 77.4174, 96.1890.



This preview shows how white text looks on a background with the XYZ color 82.3820, 77.4174,

96.1890.

# 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

82.3820, 77.4174, 96.1890

### Protanopia

75.8157, 77.4636, 101.3985

### Deuteranopia

78.9963, 77.2387, 95.5390



## Tritanopia

80.9399, 77.2118, 89.2346

# Trichromacy



## Original Color

82.3820, 77.4174, 96.1890

## Protanomaly

78.2560, 77.5572, 99.6524

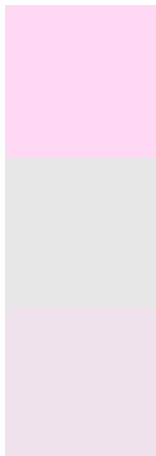
## Deuteranomaly

80.1286, 77.4316, 95.5166

## Tritanomaly

81.3771, 77.3867, 91.5370

# Monochromacy



## Original Color

82.3820, 77.4174, 96.1890

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

78.2719, 78.9741, 90.4750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3820, 77.4174, 96.1890 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, 217, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 244)  
}
```

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, 217, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3820, 77.4174, 96.1890 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".

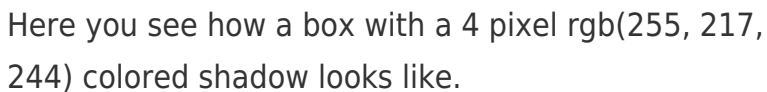
```
.border, #border, table{ border:4px solid rgb(255, 217, 244) }
```



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

```
.border{ border-color:rgb(255, 217, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 217, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3820, 77.4174, 96.1890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 244) }
```

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

```
.background{ background-color: rgb(255,  
217, 244) }
```

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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