

# Converting Colors

XYZ(79.0044, 69.3130, 99.2222)

Have a look what the booklet for XYZ(79.0044, 69.3130, 99.2222) contains.

- XYZ(78.9932, 69.4081, 98.8562) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(78.9932, 69.4081,  
98.8562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8F9
RGB	255, 200, 249
RGB Percent	100%, 78%, 98%
CMY	0.0000, 0.2157, 0.0235
CMYK	0.00, 0.22, 0.02, 0.00
HSL	307°, 100%, 89%
HSV	307°, 22%, 100%
XYZ	78.9932, 69.4081, 98.8562
YIQ	222.0310, 17.0510, 26.8990

# Conversions

## Conversions Part 2

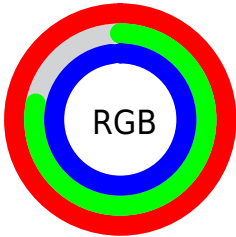
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 200, 249
Decimal	16763129
CIE Lab	86.71, 27.40, -16.58
CIE LCh	87, 32.027, 328.816
Yxy	69.4081, 0.3195, 0.2807
Android (android.graphics.Color)	4294953209 (0xFFFFC8F9)
YUV	222.0310, 13.2957, 28.9138
Hunter-Lab	83.3115, 23.4526, -12.0346

# Details

The XYZ color **78.9932, 69.4081, 98.8562** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.7221, 88.2566, 71.7032**, and the grayscale version is **69.3551, 72.9670, 79.4611**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1932, 36.4138, 55.2041** is the 20% darker color. If you saturate the color by 10%, you get **73.1422, 58.3952, 94.7820**, and if you desaturate by 10%, it is **85.8384, 82.3988, 103.2954**.

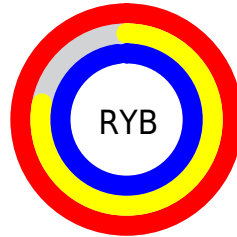
# Distribution



Red (100%)

Green (78%)

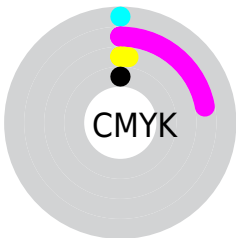
Blue (98%)



Red (100%)

Yellow (78%)

Blue (98%)

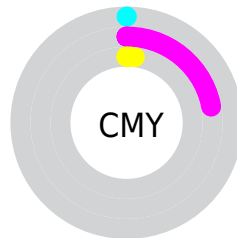


Cyan (0%)

Magenta (22%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9932, 69.4081, 98.8562 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 78.9932, 69.4081, 98.8562 by changing the saturation by 10% instead.




 78.9932, 69.4081,  
98.8562

 78.9932, 69.4081,  
98.8562


480.3217,  
458.4690, 577.7346

 59.1958, 51.0441,  
74.7341


130.9073,  
118.3643, 161.6226

 43.0178, 36.2437,  
54.8947

163.7547,  
149.7253, 201.1040

 30.0936, 24.6225,  
38.9194


201.6828,  
186.1874, 246.5422

 20.0581, 15.7960,  
26.3896

245.0570,  
228.1351, 298.3557

 12.5458, 9.3799,  
16.8870

294.2426,  
275.9527, 356.9632

 7.1914, 4.9898,  
9.9928

349.6051,

 3.6295, 2.2413,

330.0246, 422.7832

5.2887

411.5096,  
390.7353, 496.2341

■ 1.4947, 0.7424,  
2.3559

■ 0.3222, 0.0000,  
0.7623

■ 78.9932, 69.4081,  
98.8562

■ 78.9932, 69.4081,  
98.8562

■ 73.1422, 58.3952,  
94.7820

■ 85.8384, 82.3988,  
103.2954

■ 68.2323, 49.2543,  
91.0521

■ 93.7189, 97.4499,  
108.1106

■ 64.2118, 41.8821,  
87.6500

95.0500, 100.0000,  
108.9000

■ 61.0225, 36.1621,  
84.5564

■ 58.5991, 31.9639,  
81.7492

■ 56.8666, 29.1374,  
79.2032

■ 55.7346, 27.5019,  
76.8884

■ 55.1306, 26.8162,  
75.0769

# Harmonies

## Analogous

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



73.1150, 69.4081, 117.4956



78.9932, 69.4081, 98.8562



81.3455, 69.4081, 76.4241

# Triad

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



78.9932, 69.4081, 98.8562



66.2666, 69.4081, 41.5433



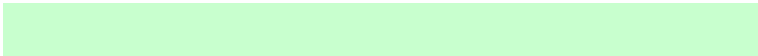
54.2037, 69.4081, 97.1113

# Complementary

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



78.9932, 69.4081, 98.8562



70.7221, 88.2566, 71.7032

# 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.



52.6659, 69.4081, 74.7295



78.9932, 69.4081, 98.8562



59.3069, 69.4081, 45.0384

# Square

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



78.9932, 69.4081, 98.8562



73.6651, 69.4081, 45.6411



54.4637, 69.4081, 56.2678



58.8309, 69.4081, 116.3622



# Rectangle

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



78.9932, 69.4081, 98.8562



80.4724, 69.4081, 63.1046



54.4637, 69.4081, 56.2678



53.3244, 69.4081, 89.5856

# Sweetspot

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



78.9947, 69.4108, 98.8577



90.0943, 90.5167, 105.9282



64.0220, 61.5823, 103.1200



19.1734, 19.1632, 22.6056



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.



78.9947, 69.4108, 98.8577



76.2804, 64.2892, 97.0069



75.0809, 67.8453, 78.2479



18.7023, 18.2642, 22.3153



28.8413, 14.0258, 39.4102



2.8316, 1.3750, 3.9604



# Inverse Universe

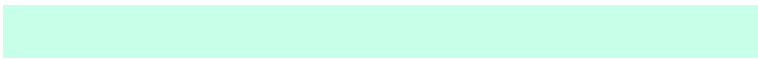
The Inverse Universe completely reimagines the original color for something new.



78.9947, 69.4108, 98.8577



76.2804, 64.2892, 97.0069



74.2892, 89.6835, 90.4877



18.7023, 18.2642, 22.3153



28.8413, 14.0258, 39.4102



2.8316, 1.3750, 3.9604



# Previews

## White Background



This preview shows how the XYZ color 78.9932, 69.4081, 98.8562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

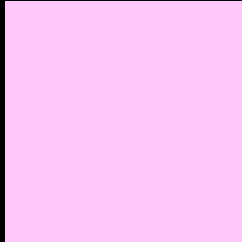
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9932, 69.4081, 98.8562 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 78.9932, 69.4081, 98.8562**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9932, 69.4081, 98.8562.



This preview shows how white text looks on a background with the XYZ color 78.9932, 69.4081,

98.8562.

# 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

78.9932, 69.4081, 98.8562

### Protanopia

68.9004, 69.8870, 104.4659

### Deuteranopia

71.3833, 69.8099, 97.7080



## Tritanopia

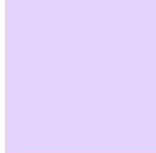
74.6661, 69.3923, 77.8653

# Trichromacy



## Original Color

78.9932, 69.4081, 98.8562



## Protanomaly

72.1402, 69.3538, 102.5129



## Deuteranomaly

74.0912, 69.7219, 98.3596



## Tritanomaly

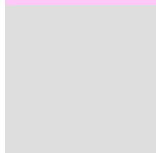
75.9246, 69.1768, 84.9521

# Monochromacy



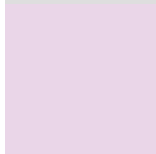
## Original Color

78.9932, 69.4081, 98.8562



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

72.5437, 71.4118, 86.3043

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9932, 69.4081, 98.8562 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, 200, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 249)  
}
```

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, 200, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9932, 69.4081, 98.8562 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, 200, 249) }
```



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

```
.border{ border-color:rgb(255, 200, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9932, 69.4081, 98.8562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 249) }
```

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

```
.background{ background-color: rgb(255,  
200, 249) }
```

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