

# Converting Colors

XYZ(79.8458, 72.2286, 95.7022)

Have a look what the booklet for  
XYZ(79.8458, 72.2286, 95.7022)  
contains.

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# Color

**XYZ(79.8820, 72.4173,  
95.3557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFF4
RGB	255, 207, 244
RGB Percent	100%, 81%, 96%
CMY	0.0000, 0.1882, 0.0431
CMYK	0.00, 0.19, 0.04, 0.00
HSL	314°, 100%, 91%
HSV	314°, 19%, 100%
XYZ	79.8820, 72.4173, 95.3557
YIQ	225.5700, 16.7310, 21.6830

# Conversions

## Conversions Part 2

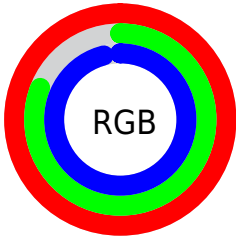
Format	Color
R <sub>Y</sub> B	255, 207, 244
Decimal	16764916
CIE <sub>Lab</sub>	88.17, 22.85, -11.75
CIE <sub>LCh</sub>	88, 25.691, 332.791
Yxy	72.4173, 0.3226, 0.2924
Android (android.graphics.Color)	4294954996 (0xFFFFCFF4)
YUV	225.5700, 9.0860, 25.8101
Hunter-Lab	85.0984, 18.6362, -6.8677

# Details

The XYZ color **79.8820, 72.4173, 95.3557** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.1492, 89.8484, 79.7671**, and the grayscale version is **71.9079, 75.6527, 82.3858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5940, 38.0931, 52.6320** is the 20% darker color. If you saturate the color by 10%, you get **73.3227, 60.6961, 88.8614**, and if you desaturate by 10%, it is **87.4702, 86.1508, 102.3338**.

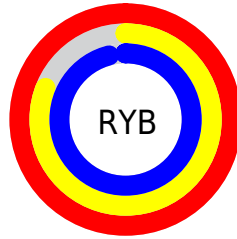
# Distribution



Red (100%)

Green (81%)

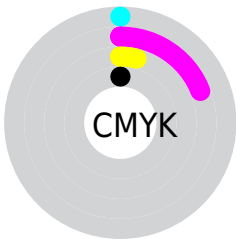
Blue (96%)



Red (100%)

Yellow (81%)

Blue (96%)

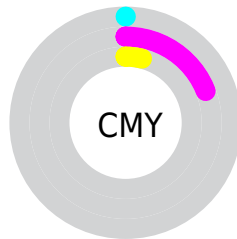


Cyan (0%)

Magenta (19%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8820, 72.4173, 95.3557 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 79.8820, 72.4173, 95.3557 by changing the saturation by 10% instead.




 79.8820, 72.4173,  
95.3557

 79.8820, 72.4173,  
95.3557


483.2777,  
468.9928, 566.3165

 59.9294, 53.4996,  
71.8325


132.1512,  
122.6496, 156.7557

 43.6110, 38.2018,  
52.5359


165.1985,  
154.7331, 195.4697

 30.5614, 26.1393,  
37.0472


203.3414,  
191.9739, 240.0843

 20.4153, 16.9279,  
24.9480

246.9453,  
234.7566, 291.0181

 12.8073, 10.1831,  
15.8196

296.3755,  
283.4654, 348.6897

 7.3720, 5.5205,  
9.2436

351.9974,

 3.7442, 2.5558,

338.4847, 413.5176

4.8015

414.1764,  
400.1991, 485.9204

■ 1.5585, 0.9045,  
2.0746

■ 0.3651, 0.0000,  
0.6006

■ 79.8820, 72.4173,  
95.3557

■ 79.8820, 72.4173,  
95.3557

■ 73.3227, 60.6961,  
88.8614

■ 87.4702, 86.1508,  
102.3338

■ 67.7396, 50.8829,  
82.8291

95.0500, 100.0000,  
108.9000

■ 63.0822, 42.8770,  
77.2415

■ 59.2936, 36.5649,  
72.0786

■ 56.3104, 31.8203,  
67.3178

■ 54.0605, 28.4993,  
62.9336

■ 52.4582, 26.4310,  
58.8963

■ 51.3795, 25.3680,  
55.1631

■ 51.2680, 25.2712,  
54.7367

# Harmonies

## Analogous

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



75.4297, 72.4173, 110.8533



79.8820, 72.4173, 95.3557



81.3189, 72.4173, 77.2137

# Triad

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



79.8820, 72.4173, 95.3557



68.2567, 72.4173, 49.6516



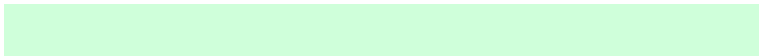
59.3682, 72.4173, 98.6324

# Complementary

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



79.8820, 72.4173, 95.3557



74.1492, 89.8484, 79.7671

# 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.



57.6910, 72.4173, 80.5096



79.8820, 72.4173, 95.3557



62.6279, 72.4173, 53.6881

# Square

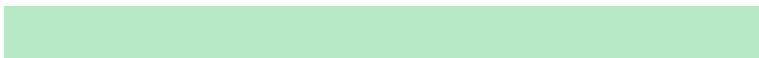
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



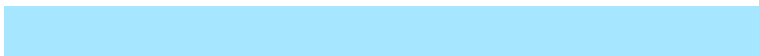
79.8820, 72.4173, 95.3557



74.3753, 72.4173, 52.4228



58.8484, 72.4173, 64.3684



63.5683, 72.4173, 112.9343



# Rectangle

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



79.8820, 72.4173, 95.3557



80.3078, 72.4173, 66.4551



58.8484, 72.4173, 64.3684



58.5024, 72.4173, 92.6978

# Sweetspot

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



79.8836, 72.4202, 95.3572



89.8024, 90.3999, 104.3912



69.0999, 66.6622, 103.8329



19.1042, 19.1355, 22.2413



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.



79.8836, 72.4202, 95.3572



77.0199, 67.2823, 92.5853



76.5527, 71.0878, 77.8170



18.6041, 18.2249, 21.7983



26.8484, 13.2287, 28.9160



2.6555, 1.3046, 3.0332



# Inverse Universe

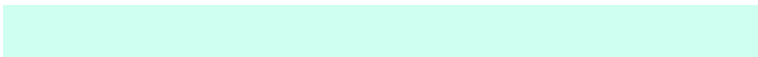
The Inverse Universe completely reimagines the original color for something new.



79.8836, 72.4202, 95.3572



77.0199, 67.2823, 92.5853



77.4310, 91.1611, 97.0488



18.6041, 18.2249, 21.7983



26.8484, 13.2287, 28.9160



2.6555, 1.3046, 3.0332



# Previews

## White Background



This preview shows how the XYZ color 79.8820, 72.4173, 95.3557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

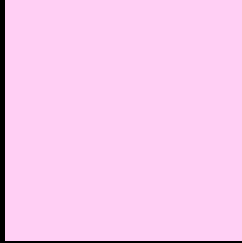
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8820, 72.4173, 95.3557 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 79.8820, 72.4173, 95.3557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8820, 72.4173, 95.3557.



This preview shows how white text looks on a background with the XYZ color 79.8820, 72.4173,

95.3557.

# 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

79.8820, 72.4173, 95.3557

### Protanopia

71.4828, 72.8136, 102.3823

### Deuteranopia

73.9317, 72.3353, 94.0699



## Tritanopia

77.2821, 72.4668, 81.8658

# Trichromacy



## Original Color

79.8820, 72.4173, 95.3557

## Protanomaly

74.0324, 72.2634, 99.6688

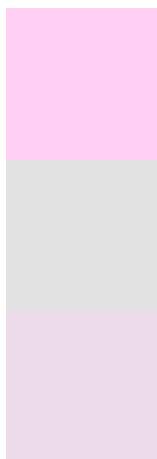
## Deuteranomaly

75.9968, 72.2588, 94.7359

## Tritanomaly

78.3815, 72.5550, 86.9641

# Monochromacy



## Original Color

79.8820, 72.4173, 95.3557

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

74.9646, 74.5508, 87.5295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8820, 72.4173, 95.3557 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, 207, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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, 207, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8820, 72.4173, 95.3557 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, 207, 244) }
```



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

```
.border{ border-color:rgb(255, 207, 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, 207, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8820, 72.4173, 95.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 244) }
```

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

```
.background{ background-color: rgb(255,  
207, 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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