

# Converting Colors

XYZ(79.3390, 74.0293, 86.8574)

Have a look what the booklet for  
XYZ(79.3390, 74.0293, 86.8574)  
contains.

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# Color

**XYZ(79.4915, 74.2302,  
87.2290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4E9
RGB	255, 212, 233
RGB Percent	100%, 83%, 91%
CMY	0.0000, 0.1686, 0.0863
CMYK	0.00, 0.17, 0.09, 0.00
HSL	331°, 100%, 92%
HSV	331°, 17%, 100%
XYZ	79.4915, 74.2302, 87.2290
YIQ	227.2510, 18.8870, 15.6470

# Conversions

## Conversions Part 2

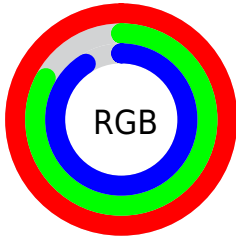
Format	Color
R <sub>Y</sub> B	255, 212, 233
Decimal	16766185
CIE Lab	89.03, 18.36, -4.66
CIE LCh	89, 18.945, 345.753
Yxy	74.2302, 0.3299, 0.3081
Android (android.graphics.Color)	4294956265 (0xFFFFD4E9)
YUV	227.2510, 2.8343, 24.3359
Hunter-Lab	86.1569, 13.9159, 0.2821

# Details

The XYZ color **79.4915, 74.2302, 87.2290** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.7651, 91.4587, 91.4000**, and the grayscale version is **73.1682, 76.9787, 83.8298**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2815, 39.2940, 46.8983** is the 20% darker color. If you saturate the color by 10%, you get **71.8179, 61.7563, 75.8131**, and if you desaturate by 10%, it is **88.3130, 88.7786, 99.7095**.

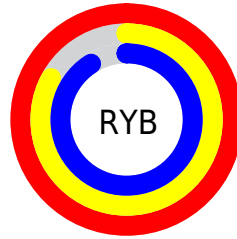
# Distribution



Red (100%)

Green (83%)

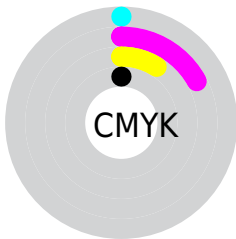
Blue (91%)



Red (100%)

Yellow (83%)

Blue (91%)

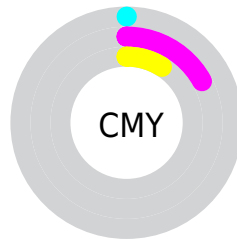


Cyan (0%)

Magenta (17%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.4915, 74.2302, 87.2290 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 79.4915, 74.2302, 87.2290 by changing the saturation by 10% instead.




 79.4915, 74.2302,  
87.2290

 79.4915, 74.2302,  
87.2290


481.9802,  
475.2675, 539.3108

 59.6070, 54.9825,  
65.1240


131.6049,  
125.2221, 145.3850

 43.3502, 39.3877,  
47.1097


164.5644,  
157.7350, 182.2730

 30.3557, 27.0615,  
32.7674


202.6131,  
195.4385, 224.9259

 20.2581, 17.6194,  
21.6787

246.1162,  
238.7169, 273.7621

 12.6922, 10.6771,  
13.4249

295.4391,  
287.9546, 329.2001

 7.2925, 5.8501,  
7.5876

350.9472,

 3.6936, 2.7542,

343.5360, 391.6586

3.7483

413.0058,  
405.8455, 461.5559

■ 1.5303, 1.0048,  
1.4883

■ 0.3463, 0.0000,  
0.2092

■ 79.4915, 74.2302,  
87.2290

■ 79.4915, 74.2302,  
87.2290

■ 71.8179, 61.7563,  
75.8131

■ 88.3130, 88.7786,  
99.7095

■ 65.2370, 51.2523,  
65.4258

95.0500, 100.0000,  
108.9000

■ 59.6965, 42.6182,  
56.0357

■ 55.1377, 35.7416,  
47.6074

■ 51.4956, 30.4978,  
40.1031

■ 48.6969, 26.7456,  
33.4814

■ 46.6557, 24.3191,  
27.6960

■ 45.2642, 23.0087,  
22.6926

■ 44.9114, 22.7286,  
21.2632

# Harmonies

## Analogous

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



77.0906, 74.2302, 99.8474



79.4915, 74.2302, 87.2290



79.4263, 74.2302, 74.1309

# Triad

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



79.4915, 74.2302, 87.2290



68.1761, 74.2302, 58.7856



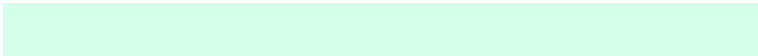
64.5520, 74.2302, 100.3913

# Complementary

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



79.4915, 74.2302, 87.2290



77.7651, 91.4587, 91.4000

# 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.



62.3676, 74.2302, 87.9085



79.4915, 74.2302, 87.2290



64.3970, 74.2302, 64.3848

# Square

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



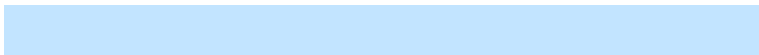
79.4915, 74.2302, 87.2290



72.7559, 74.2302, 58.6461



62.3121, 74.2302, 74.7406



68.3961, 74.2302, 107.9883

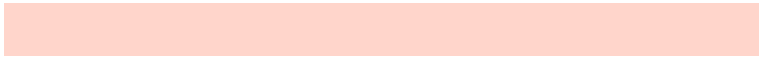


# Rectangle

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



79.4915, 74.2302, 87.2290



77.9886, 74.2302, 66.8898



62.3121, 74.2302, 74.7406



63.6068, 74.2302, 96.5703

# Sweetspot

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



79.4932, 74.2333, 87.2306



90.0839, 91.7201, 102.1506



75.3637, 71.7184, 104.4787



19.1374, 19.3922, 21.6661



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.



79.4932, 74.2333, 87.2306



76.9625, 70.0976, 83.5330



76.6694, 73.1038, 72.3609



18.3791, 18.1349, 20.6132



23.5421, 11.9061, 11.5049



2.3472, 1.1812, 1.4097



# Inverse Universe

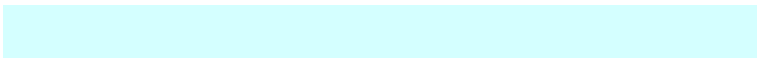
The Inverse Universe completely reimagines the original color for something new.



79.4932, 74.2333, 87.2306



76.9625, 70.0976, 83.5330



80.9631, 92.7379, 108.2407



18.3791, 18.1349, 20.6132



23.5421, 11.9061, 11.5049

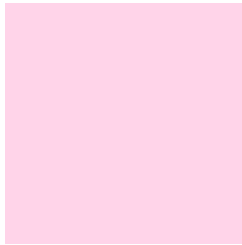


2.3472, 1.1812, 1.4097



# Previews

## White Background



This preview shows how the XYZ color 79.4915, 74.2302, 87.2290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

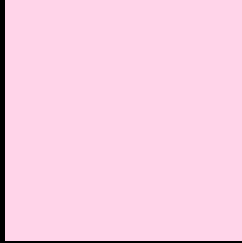
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.4915, 74.2302, 87.2290 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 79.4915, 74.2302, 87.2290**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.4915, 74.2302, 87.2290.



This preview shows how white text looks on a background with the XYZ color 79.4915, 74.2302,



# 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

79.4915, 74.2302, 87.2290

### Protanopia

72.1327, 74.1625, 92.1744

### Deuteranopia

75.9963, 74.3291, 86.6855



## **Tritanopia**

78.8102, 74.3165, 84.3195

# Trichromacy



## Original Color

79.4915, 74.2302, 87.2290

## Protanomaly

74.6184, 73.9194, 90.4558

## Deuteranomaly

77.2237, 74.2012, 86.5961

## Tritanomaly

78.9502, 74.3725, 85.0571

# Monochromacy



## Original Color

79.4915, 74.2302, 87.2290

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

75.1892, 75.9042, 84.8168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.4915, 74.2302, 87.2290 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, 212, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 233)  
}
```

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, 212, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 79.4915, 74.2302, 87.2290 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, 212, 233) }
```



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

```
.border{ border-color:rgb(255, 212, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.4915, 74.2302, 87.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 233) }
```

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

```
.background{ background-color: rgb(255,  
212, 233) }
```

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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