

# Converting Colors

XYZ(82.0475, 76.5197,  
116.4955)

Have a look what the booklet for  
XYZ(82.0475, 76.5197, 116.4955)  
contains.

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# Color

**XYZ(79.9141, 75.5648,  
104.9813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4D8FF
RGB	244, 216, 255
RGB Percent	96%, 85%, 100%
CMY	0.0431, 0.1529, 0.0000
CMYK	0.04, 0.15, 0.00, 0.00
HSL	283°, 100%, 92%
HSV	283°, 15%, 100%
XYZ	79.9141, 75.5648, 104.9813
YIQ	228.8180, 4.1690, 18.0650

# Conversions

## Conversions Part 2

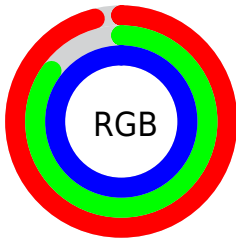
Format	Color
<a href="#">RYB</a>	<a href="#">244, 216, 255</a>
Decimal	<a href="#">16046335</a>
CIELab	<a href="#">89.66, 16.50, -15.41</a>
CIElCh	<a href="#">90, 22.579, 316.945</a>
Yxy	<a href="#">75.5648, 0.3068, 0.2901</a>
Android (android.graphics.Color)	<a href="#">4294236415</a> ( <a href="#">0xFFFF4D8FF</a> )
YUV	<a href="#">228.8180, 12.9077, 13.3146</a>
Hunter-Lab	<a href="#">86.9280, 11.9734, -10.7538</a>

# Details

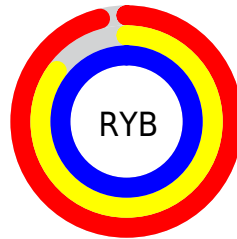
The XYZ color **79.9141, 75.5648, 104.9813** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.8350, 92.8096, 78.6757**, and the grayscale version is **74.2502, 78.1170, 85.0694**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6769, 40.2583, 58.8947** is the 20% darker color. If you saturate the color by 10%, you get **71.4347, 62.2381, 102.8559**, and if you desaturate by 10%, it is **89.5087, 90.9755, 107.4502**.

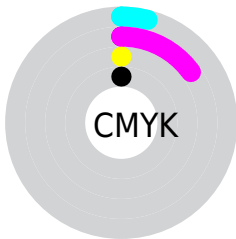
# Distribution



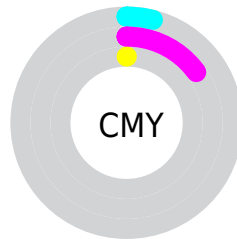
- Red (96%)
- Green (85%)
- Blue (100%)



- Red (96%)
- Yellow (85%)
- Blue (100%)



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9141, 75.5648, 104.9813 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 79.9141, 75.5648, 104.9813 by changing the saturation by 10% instead.



79.9141, 75.5648,  
104.9813

79.9141, 75.5648,  
104.9813

483.3842,  
479.8566, 597.4304

59.9559, 56.0757,  
79.8271

132.1961,  
127.1115, 170.0973

43.6324, 40.2636,  
59.0508

165.2506,  
159.9380, 210.8962

30.5783, 27.7442,  
42.2337

203.4013,  
197.9790, 257.7471

20.4282, 18.1329,  
28.9574

247.0135,  
241.6190, 311.0685

12.8167, 11.0454,  
18.8033

296.4525,  
291.2424, 371.2790

7.3786, 6.0974,  
11.3529

352.0837,

3.7484, 2.9044,

347.2335, 438.7972

6.1875

414.2725,  
409.9768, 514.0414

■ 1.5608, 1.0820,  
2.8888

■ 0.3667, 0.0000,  
1.0382

■ 79.9141, 75.5648,  
104.9813

■ 79.9141, 75.5648,  
104.9813

■ 71.4347, 62.2381,  
102.8559

■ 89.5087, 90.9755,  
107.4502

■ 64.0167, 50.8921,  
101.0568

95.0500, 100.0000,  
108.9000

■ 57.6108, 41.4289,  
99.5679

■ 52.1610, 33.7383,  
98.3707

■ 47.6055, 27.6987,  
97.4450

■ 43.8748, 23.1723,  
96.7680

■ 40.8878, 19.9989,  
96.3129

■ 38.5446, 17.9806,  
96.0468

■ 37.5974, 17.2970,  
95.9648

# Harmonies

## Analogous

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



74.9808, 75.5648, 115.1505



79.9141, 75.5648, 104.9813



82.7394, 75.5648, 89.3834

# Triad

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



79.9141, 75.5648, 104.9813



74.2623, 75.5648, 55.9274



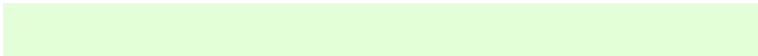
62.0802, 75.5648, 91.5201

# Complementary

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



79.9141, 75.5648, 104.9813



79.8350, 92.8096, 78.6757

# 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.



61.9100, 75.5648, 75.5581



79.9141, 75.5648, 104.9813



68.7533, 75.5648, 56.3439

# Square

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



79.9141, 75.5648, 104.9813



79.3648, 75.5648, 61.8855



64.2956, 75.5648, 63.1080



64.7731, 75.5648, 106.7183



# Rectangle

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



79.9141, 75.5648, 104.9813



82.9568, 75.5648, 78.6330



64.2956, 75.5648, 63.1080



61.7311, 75.5648, 86.0323

# Sweetspot

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



79.9162, 75.5679, 104.9818



89.8060, 91.4575, 107.5275



73.8543, 76.7874, 105.5367



19.0694, 19.3281, 22.9756



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.



79.9162, 75.5679, 104.9818



77.5116, 71.7569, 104.3729



82.5166, 77.0622, 98.1584



18.2640, 18.0278, 22.7671



19.7989, 9.1172, 50.1509



2.0347, 0.9428, 4.8880



# Inverse Universe

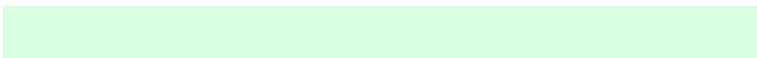
The Inverse Universe completely reimagines the original color for something new.



79.6629, 75.9207, 83.1310



77.2559, 72.1864, 79.0009



77.5968, 91.5263, 84.4210



18.2199, 18.0713, 19.7754



22.2132, 11.3746, 4.5074

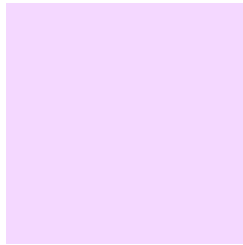


2.2071, 1.1252, 0.6723



# Previews

## White Background



This preview shows how the XYZ color 79.9141, 75.5648, 104.9813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

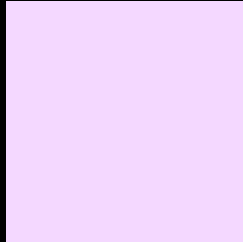
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9141, 75.5648, 104.9813 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 79.9141, 75.5648, 104.9813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9141, 75.5648, 104.9813.



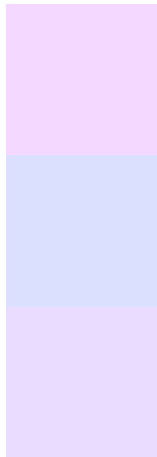
This preview shows how white text looks on a background with the XYZ color 79.9141, 75.5648,

104.9813.

# 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

79.9141, 75.5648, 104.9813

### Protanopia

74.2209, 75.7470, 105.3165

### Deuteranopia

77.4143, 75.8346, 104.3233



## Tritanopia

76.7475, 75.4199, 89.8694

# Trichromacy



## Original Color

79.9141, 75.5648, 104.9813

## Protanomaly

76.2195, 75.5909, 105.1810

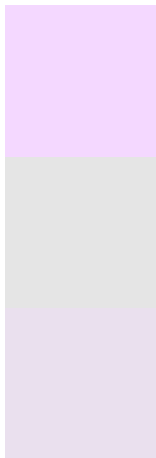
## Deuteranomaly

78.4808, 75.9959, 104.2982

## Tritanomaly

77.8670, 75.4911, 95.2612

# Monochromacy



## Original Color

79.9141, 75.5648, 104.9813

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

76.0200, 76.9768, 91.7402

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9141, 75.5648, 104.9813 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(244, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 216, 255)  
}
```

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(244, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 216, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9141, 75.5648, 104.9813 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(244, 216, 255) }
```



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

```
.border{ border-color:rgb(244, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 216,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9141, 75.5648, 104.9813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 216, 255) }
```

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

```
.background{ background-color: rgb(244,  
216, 255) }
```

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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