

# Converting Colors

XYZ(79.8925, 75.7069,  
106.7865)

Have a look what the booklet for  
XYZ(79.8925, 75.7069, 106.7865)  
contains.

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# Color

**XYZ(79.8250, 75.9004,  
105.0508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D9FF
RGB	243, 217, 255
RGB Percent	95%, 85%, 100%
CMY	0.0471, 0.1490, 0.0000
CMYK	0.05, 0.15, 0.00, 0.00
HSL	281°, 100%, 93%
HSV	281°, 15%, 100%
XYZ	79.8250, 75.9004, 105.0508
YIQ	229.1060, 3.2980, 17.3300

# Conversions

## Conversions Part 2

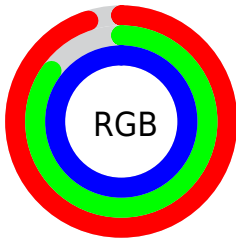
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 217, 255
Decimal	15981055
CIE <sub>Lab</sub>	89.81, 15.65, -15.19
CIE <sub>LCh</sub>	90, 21.809, 315.856
Yxy	75.9004, 0.3061, 0.2911
Android (android.graphics.Color)	4294171135 (0xFFFF3D9FF)
YUV	229.1060, 12.7657, 12.1850
Hunter-Lab	87.1208, 11.0903, -10.5076

# Details

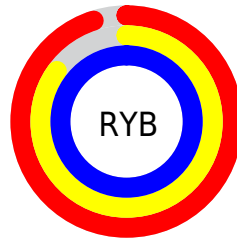
The XYZ color **79.8250, 75.9004, 105.0508** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.5994, 93.1887, 79.3886**, and the grayscale version is **74.4633, 78.3412, 85.3136**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6069, 40.4827, 58.9417** is the 20% darker color. If you saturate the color by 10%, you get **71.0354, 62.3560, 102.8997**, and if you desaturate by 10%, it is **89.7561, 91.5449, 107.5470**.

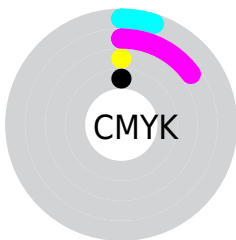
# Distribution



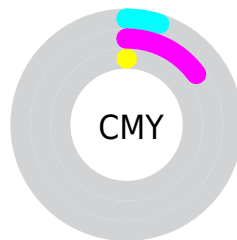
- Red (95%)
- Green (85%)
- Blue (100%)



- Red (95%)
- Yellow (85%)
- Blue (100%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8250, 75.9004, 105.0508 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 79.8250, 75.9004, 105.0508 by changing the saturation by 10% instead.




 79.8250, 75.9004,  
105.0508

 79.8250, 75.9004,  
105.0508


483.0884,  
481.0067, 597.6519

 59.8823, 56.3508,  
79.8850


132.0715,  
127.5861, 170.1932

 43.5729, 40.4843,  
59.0981


165.1060,  
160.4910, 211.0069

 30.5313, 27.9163,  
42.2716


203.2352,  
198.6166, 257.8736

 20.3923, 18.2626,  
28.9869

246.8244,  
242.3471, 311.2119

 12.7905, 11.1387,  
18.8254

296.2389,  
292.0669, 371.4404

 7.3604, 6.1602,  
11.3686

351.8442,

 3.7368, 2.9427,

348.1605, 438.9775

6.1981

414.0056,  
411.0123, 514.2418

■ 1.5544, 1.1019,  
2.8952

■ 0.3624, 0.0000,  
1.0414

■ 79.8250, 75.9004,  
105.0508

■ 79.8250, 75.9004,  
105.0508

■ 71.0354, 62.3560,  
102.8997

■ 89.7561, 91.5449,  
107.5470

■ 63.3332, 50.8085,  
101.0767

95.0500, 100.0000,  
108.9000

■ 56.6687, 41.1601,  
99.5657

■ 50.9857, 33.3008,  
98.3482

■ 46.2222, 27.1091,  
97.4041

■ 42.3084, 22.4478,  
96.7107

■ 39.1634, 19.1574,  
96.2414

■ 36.6878, 17.0419,  
95.9635

■ 35.6114, 16.2733,  
95.8719

# Harmonies

## Analogous

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



75.0057, 75.9004, 114.5573



79.8250, 75.9004, 105.0508



82.6486, 75.9004, 90.0986

# Triad

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



79.8250, 75.9004, 105.0508



74.6995, 75.9004, 57.1057



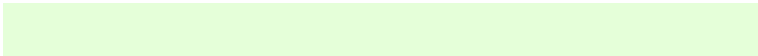
62.6369, 75.9004, 91.0078

# Complementary

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



79.8250, 75.9004, 105.0508



80.5994, 93.1887, 79.3886

# 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.



62.5641, 75.9004, 75.6098



79.8250, 75.9004, 105.0508



69.3503, 75.9004, 57.2851

# Square

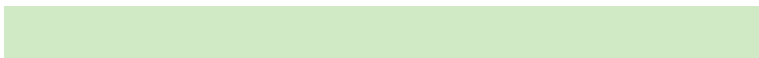
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8250, 75.9004, 105.0508



79.5913, 75.9004, 63.1468



64.9667, 75.9004, 63.6717



65.1709, 75.9004, 105.7874



# Rectangle

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



79.8250, 75.9004, 105.0508



82.9333, 75.9004, 79.6554



64.9667, 75.9004, 63.6717



62.3282, 75.9004, 85.7036

# Sweetspot

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



79.8271, 75.9036, 105.0513



90.7068, 93.0581, 107.7890



74.6965, 78.0317, 105.7324



19.2447, 19.6472, 23.0279



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.



79.8271, 75.9036, 105.0513



76.9820, 71.4839, 104.3481



83.0029, 77.6680, 99.4516



18.2020, 17.9959, 22.7642



18.7693, 8.5864, 50.1027



1.9407, 0.8944, 4.8836



# Inverse Universe

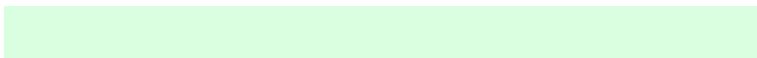
The Inverse Universe completely reimagines the original color for something new.



80.1976, 76.5459, 84.6794



77.4646, 72.2699, 80.0998



77.8275, 91.6528, 84.0893



18.2457, 18.0816, 19.9108



22.3749, 11.4392, 5.3585

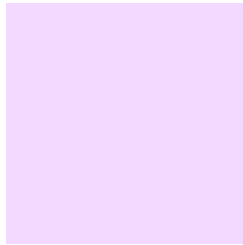


2.2256, 1.1326, 0.7693



# Previews

## White Background



This preview shows how the XYZ color 79.8250, 75.9004, 105.0508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

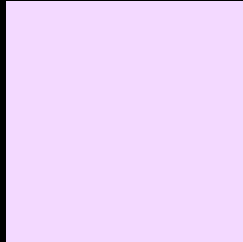
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8250, 75.9004, 105.0508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

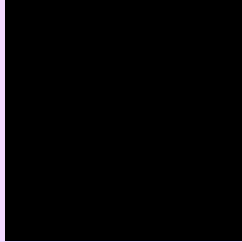
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.8250, 75.9004, 105.0508

## Background



This preview shows how black text looks on a background with the XYZ color 79.8250, 75.9004, 105.0508.



This preview shows how white text looks on a background with the XYZ color 79.8250, 75.9004,



# 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

79.8250, 75.9004, 105.0508

### Protanopia

74.5244, 75.9035, 105.3307

### Deuteranopia

77.7435, 76.0043, 104.3387



## Tritanopia

76.8144, 75.8261, 90.7081

# Trichromacy



## Original Color

79.8250, 75.9004, 105.0508

## Protanomaly

76.2195, 75.5909, 105.1810

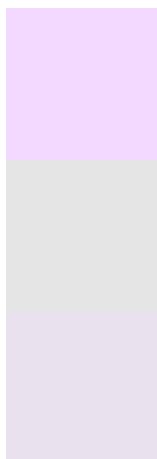
## Deuteranomaly

78.4808, 75.9959, 104.2982

## Tritanomaly

77.9363, 75.8955, 96.1296

# Monochromacy



## Original Color

79.8250, 75.9004, 105.0508

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

76.2895, 77.5159, 91.8301

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8250, 75.9004, 105.0508 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(243, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 217, 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(243, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 217, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8250, 75.9004, 105.0508 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(243, 217, 255) }
```



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

```
.border{ border-color:rgb(243, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 217,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8250, 75.9004, 105.0508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 217, 255) }
```

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

```
.background{ background-color: rgb(243,  
217, 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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