

# Converting Colors

XYZ(78.6609, 74.9207,  
104.9230)

Have a look what the booklet for  
XYZ(78.6609, 74.9207, 104.9230)  
contains.

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# Color

**XYZ(78.5410, 74.8570,  
104.9170)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F0D8FF                     |
| RGB         | 240, 216, 255              |
| RGB Percent | 94%, 85%, 100%             |
| CMY         | 0.0588, 0.1529, 0.0000     |
| CMYK        | 0.06, 0.15, 0.00, 0.00     |
| HSL         | 277°, 100%, 92%            |
| HSV         | 277°, 15%, 100%            |
| XYZ         | 78.5410, 74.8570, 104.9170 |
| YIQ         | 227.6220, 1.7850, 17.2170  |

# Conversions

## Conversions Part 2

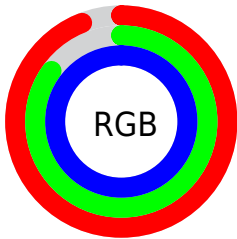
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 240, 216, 255                 |
| Decimal                             | 15784191                      |
| CIE Lab                             | 89.33, 15.21, -15.95          |
| CIE LCh                             | 89, 22.034, 313.642           |
| Yxy                                 | 74.8570, 0.3041,<br>0.2898    |
| Android<br>(android.graphics.Color) | 4293974271<br>(0xFFFF0D8FF)   |
| YUV                                 | 227.6220, 13.4974,<br>10.8555 |
| Hunter-Lab                          | 86.5199, 10.6287,<br>-11.3331 |

# Details

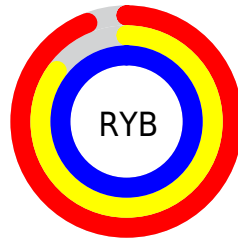
The XYZ color **78.5410, 74.8570, 104.9170** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.1116, 93.4677, 78.7355**, and the grayscale version is **73.3722, 77.1933, 84.0635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7051, 39.7573, 58.8492** is the 20% darker color. If you saturate the color by 10%, you get **69.2685, 61.1213, 102.7545**, and if you desaturate by 10%, it is **89.0113, 90.7191, 107.4269**.

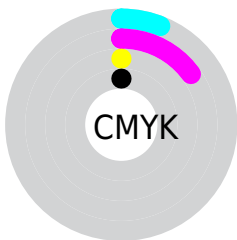
# Distribution



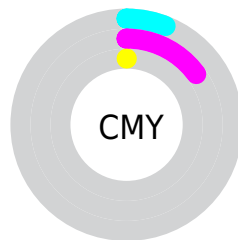
- Red (94%)
- Green (85%)
- Blue (100%)



- Red (94%)
- Yellow (85%)
- Blue (100%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5410, 74.8570, 104.9170 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 78.5410, 74.8570, 104.9170 by changing the saturation by 10% instead.



78.5410, 74.8570,  
104.9170

78.5410, 74.8570,  
104.9170

478.8139,  
477.4259, 597.2254

58.8228, 55.4957,  
79.7736

130.2738,  
126.1099, 170.0086

42.7163, 39.7988,  
59.0070

163.0192,  
158.7704, 210.7938

29.8562, 27.3817,  
42.1987

200.8376,  
196.6327, 257.6301

19.8770, 17.8601,  
28.9302

244.0946,  
240.0813, 310.9359

12.4134, 10.8496,  
18.7829

293.1553,  
289.5005, 371.1298

7.1001, 5.9658,  
11.3383

348.3852,

3.5716, 2.8243,

345.2747, 438.6303

6.1778

410.1496,  
407.7884, 513.8560

■ 1.4628, 1.0407,  
2.8830

■ 0.3003, 0.0000,  
1.0352

■ 78.5410, 74.8570,  
104.9170

■ 78.5410, 74.8570,  
104.9170

■ 69.2685, 61.1213,  
102.7545

■ 89.0113, 90.7191,  
107.4269

■ 61.1383, 49.4082,  
100.9221

95.0500, 100.0000,  
108.9000

■ 54.0992, 39.6186,  
99.4036

■ 48.0936, 31.6415,  
98.1804

■ 43.0577, 25.3542,  
97.2322

■ 38.9201, 20.6180,  
96.5361

■ 35.5976, 17.2717,  
96.0653

■ 32.9882, 15.1162,  
95.7868

■ 31.9392, 14.3801,  
95.7000

# Harmonies

## Analogous

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



73.6207, 74.8570, 113.8712



78.5410, 74.8570, 104.9170



81.5594, 74.8570, 90.1511

# Triad

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



78.5410, 74.8570, 104.9170



74.1070, 74.8570, 56.2247



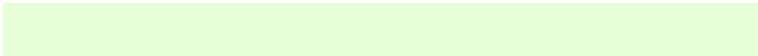
61.5496, 74.8570, 88.7061

# Complementary

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



78.5410, 74.8570, 104.9170



81.1116, 93.4677, 78.7355

# 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.



61.6650, 74.8570, 73.4330



78.5410, 74.8570, 104.9170



68.7339, 74.8570, 55.9410

# Square

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



78.5410, 74.8570, 104.9170



78.9125, 74.8570, 62.6976



64.2366, 74.8570, 61.8665



63.9128, 74.8570, 103.7447



# Rectangle

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



78.5410, 74.8570, 104.9170



81.9966, 74.8570, 79.6365



64.2366, 74.8570, 61.8665



61.3035, 74.8570, 83.4057

# Sweetspot

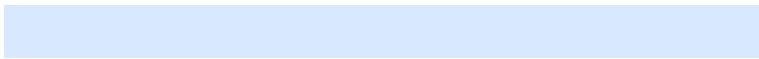
The Sweet Spot groups the original color and five complimentary colors.



78.5430, 74.8601, 104.9175



89.3354, 91.2149, 107.5055



75.1156, 79.3099, 105.9571



18.9549, 19.2690, 22.9702



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.



78.5430, 74.8601, 104.9175



75.9156, 70.9341, 104.2982



83.2257, 77.3459, 101.8927



18.0764, 17.9311, 22.7583



16.8608, 7.6025, 50.0134



1.7638, 0.8032, 4.8753



# Inverse Universe

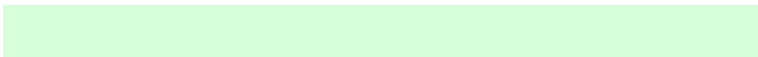
The Inverse Universe completely reimagines the original color for something new.



80.2216, 76.1443, 86.0732



77.8962, 72.4425, 82.3726



76.9862, 91.2820, 81.2057



18.2985, 18.1027, 20.1891



22.7700, 11.5973, 7.4394



2.2685, 1.1498, 0.9951



# Previews

## White Background



This preview shows how the XYZ color 78.5410, 74.8570, 104.9170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

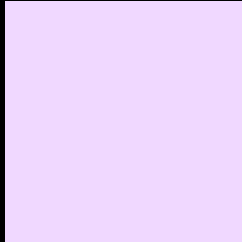
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5410, 74.8570, 104.9170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

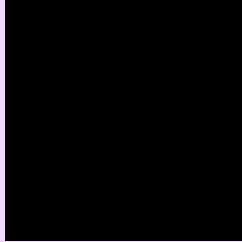
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

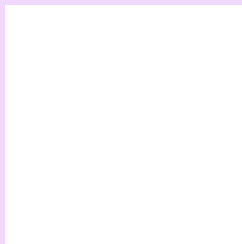
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.5410, 74.8570, 104.9170

## Background



This preview shows how black text looks on a background with the XYZ color 78.5410, 74.8570, 104.9170.



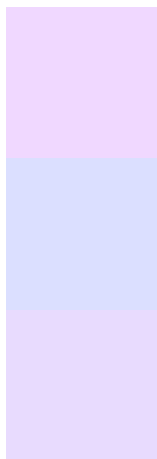
This preview shows how white text looks on a background with the XYZ color 78.5410, 74.8570,

104.9170.

# 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

78.5410, 74.8570, 104.9170

### Protanopia

73.6511, 75.0554, 105.2131

### Deuteranopia

76.4996, 74.9746, 104.2055



## Tritanopia

75.3969, 74.7237, 89.8062

# Trichromacy



## Original Color

78.5410, 74.8570, 104.9170

## Protanomaly

75.3218, 74.7373, 105.0636

## Deuteranomaly

77.2217, 74.9607, 104.1648

## Tritanomaly

76.5090, 74.7910, 95.1977

# Monochromacy



## Original Color

78.5410, 74.8570, 104.9170

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

75.3670, 76.6402, 91.7097

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5410, 74.8570, 104.9170 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(240, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 216, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5410, 74.8570, 104.9170 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(240, 216, 255) }
```



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

```
.border{ border-color:rgb(240, 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(240, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 216, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 216, 255); box-shadow:4px 4px 4px 4px rgb(240, 216, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5410, 74.8570, 104.9170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 216, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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