

# Converting Colors

XYZ(77.5134, 74.7640, 98.7704)

Have a look what the booklet for  
XYZ(77.5134, 74.7640, 98.7704)  
contains.

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# Color

**XYZ(77.6913, 74.9283,  
99.1748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D9F8
RGB	240, 217, 248
RGB Percent	94%, 85%, 97%
CMY	0.0588, 0.1490, 0.0274
CMYK	0.03, 0.12, 0.00, 0.03
HSL	285°, 69%, 91%
HSV	285°, 12%, 97%
XYZ	77.6913, 74.9283, 99.1748
YIQ	227.4110, 3.7570, 14.5170

# Conversions

## Conversions Part 2

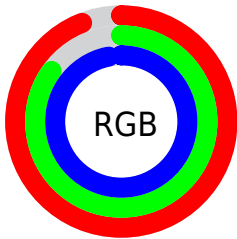
Format	Color
R <sub>Y</sub> B	240, 217, 248
Decimal	15784440
CIE Lab	89.36, 13.36, -12.22
CIE LCh	89, 18.106, 317.571
Yxy	74.9283, 0.3086, 0.2976
Android (android.graphics.Color)	4293974520 (0xFFFF0D9F8)
YUV	227.4110, 10.1504, 11.0406
Hunter-Lab	86.5611, 8.7273, -7.3369

# Details

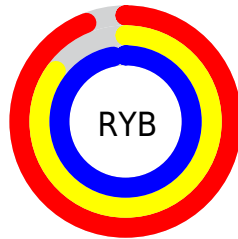
The XYZ color **77.6913, 74.9283, 99.1748** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.1459, 88.1541, 78.5988**, and the grayscale version is **73.2412, 77.0554, 83.9134**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2019, 39.8368, 55.3342** is the 20% darker color. If you saturate the color by 10%, you get **69.6391, 61.9919, 97.1033**, and if you desaturate by 10%, it is **86.7851, 89.8317, 101.5733**.

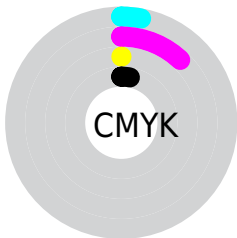
# Distribution



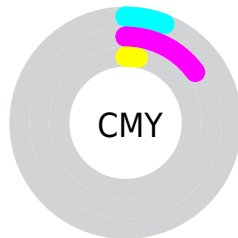
- Red (94%)
- Green (85%)
- Blue (97%)



- Red (94%)
- Yellow (85%)
- Blue (97%)



- Cyan (3%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (6%)
- Magenta (15%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6913, 74.9283, 99.1748 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 77.6913, 74.9283, 99.1748 by changing the saturation by 10% instead.



77.6913, 74.9283,  
99.1748

77.6913, 74.9283,  
99.1748

475.9737,  
477.6711, 578.7678

58.1223, 55.5542,  
74.9985

129.0825,  
126.2109, 162.0647

42.1506, 39.8456,  
55.1100

161.6355,  
158.8881, 201.6154

29.4109, 27.4182,  
39.0906

199.2472,  
196.7684, 247.1279

19.5377, 17.8875,  
26.5218

242.2829,  
240.2363, 299.0209

12.1658, 10.8693,  
16.9852

291.1081,  
289.6761, 357.7128

6.9297, 5.9790,  
10.0621

346.0880,

3.4641, 2.8323,

345.4723, 423.6223

5.3340

407.5881,  
408.0091, 497.1678

■ 1.4037, 1.0448,  
2.3824

■ 0.2588, 0.0000,  
0.7768

■ 77.6913, 74.9283,  
99.1748

■ 77.6913, 74.9283,  
99.1748

■ 69.6391, 61.9919,  
97.1033

■ 86.7851, 89.8317,  
101.5733

■ 62.5783, 50.9270,  
95.3398

■ 93.1398, 99.1431,  
103.0356

■ 56.4646, 41.6447,  
93.8703

■ 93.9435, 99.5574,  
103.0732

■ 51.2471, 34.0446,  
92.6783

■ 46.8702, 28.0166,  
91.7455

■ 43.2714, 23.4369,  
91.0512

■ 40.3787, 20.1631,  
90.5718

■ 38.1055, 18.0226,  
90.2784

■ 36.7094, 16.9671,  
90.1483

# Harmonies

## Analogous

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



73.8197, 74.9283, 107.1213



77.6913, 74.9283, 99.1748



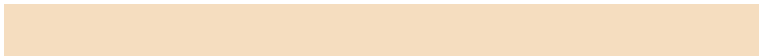
79.8637, 74.9283, 86.9483

# Triad

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



77.6913, 74.9283, 99.1748



73.0662, 74.9283, 60.0043



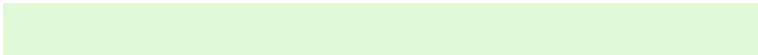
63.4011, 74.9283, 89.1726

# Complementary

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



77.6913, 74.9283, 99.1748



77.1459, 88.1541, 78.5988

# 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.



63.2183, 74.9283, 76.4454



77.6913, 74.9283, 99.1748



68.6764, 74.9283, 60.4670

# Square

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



77.6913, 74.9283, 99.1748



77.1201, 74.9283, 64.8699



65.1130, 74.9283, 66.2072



65.6233, 74.9283, 100.9479



# Rectangle

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



77.6913, 74.9283, 99.1748



79.9991, 74.9283, 78.4120



65.1130, 74.9283, 66.2072



63.1025, 74.9283, 84.8407

# Sweetspot

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



77.6935, 74.9315, 99.1764



90.9200, 93.1680, 107.7990



72.5590, 75.5271, 99.5620



19.2988, 19.6751, 23.0305



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.



77.6935, 74.9315, 99.1764



80.4993, 76.1524, 105.0639



79.3689, 75.9224, 93.5096



17.5302, 17.2859, 21.7979



19.9677, 9.2364, 48.7039



1.9478, 0.9062, 4.5154



# Inverse Universe

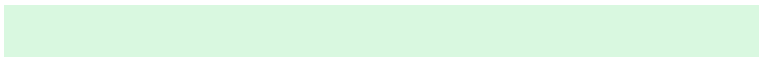
The Inverse Universe completely reimagines the original color for something new.



77.1175, 75.0218, 81.6541



79.8015, 76.2821, 82.9177



75.6716, 87.2830, 83.5493



17.4284, 17.2987, 18.8459



21.4600, 10.9997, 3.8649

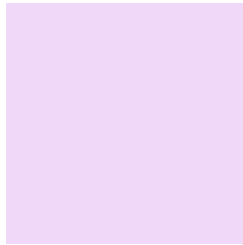


2.0288, 1.0353, 0.5751



# Previews

## White Background



This preview shows how the XYZ color 77.6913, 74.9283, 99.1748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

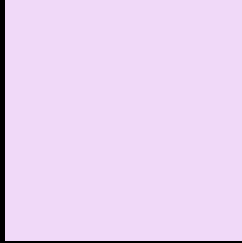
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6913, 74.9283, 99.1748 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 77.6913, 74.9283, 99.1748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6913, 74.9283, 99.1748.



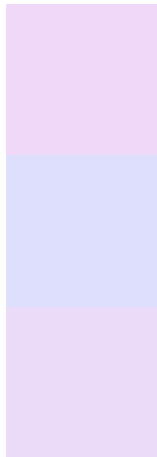
This preview shows how white text looks on a background with the XYZ color 77.6913, 74.9283,

99.1748.

# 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

77.6913, 74.9283, 99.1748

### Protanopia

73.7772, 75.1758, 102.7174

### Deuteranopia

76.8669, 75.2732, 99.2848



## Tritanopia

75.7317, 74.8963, 89.8218

# Trichromacy



## Original Color

77.6913, 74.9283, 99.1748

## Protanomaly

75.2639, 75.1719, 101.8096

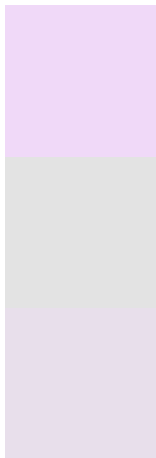
## Deuteranomaly

76.9397, 74.9246, 99.2137

## Tritanomaly

76.3962, 74.7848, 92.8465

# Monochromacy



## Original Color

77.6913, 74.9283, 99.1748

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.6618, 75.9293, 89.3180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6913, 74.9283, 99.1748 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, 217, 248) looks like.

```
.text, #text, p{  
    color:rgb(240, 217, 248)  
}
```

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, 217, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 217, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6913, 74.9283, 99.1748 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, 217, 248) }
```



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

```
.border{ border-color:rgb(240, 217, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 217, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 217, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 217, 248);  
box-shadow:4px 4px 4px 4px rgb(240, 217,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6913, 74.9283, 99.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 217, 248) }
```

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

```
.background{ background-color: rgb(240,  
217, 248) }
```

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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