

# Converting Colors

XYZ(77.5247, 70.9755, 98.3107)

Have a look what the booklet for  
XYZ(77.5247, 70.9755, 98.3107)  
contains.

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# Color

**XYZ(77.6139, 71.1771,  
98.4548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7CFF8
RGB	247, 207, 248
RGB Percent	97%, 81%, 97%
CMY	0.0314, 0.1882, 0.0274
CMYK	0.00, 0.17, 0.00, 0.03
HSL	299°, 75%, 89%
HSV	299°, 17%, 97%
XYZ	77.6139, 71.1771, 98.4548
YIQ	223.6340, 10.6790, 21.2310

# Conversions

## Conversions Part 2

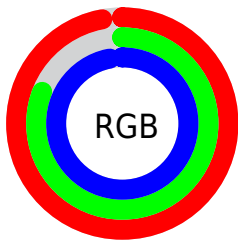
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 207, 248
Decimal	16240632
CIE Lab	87.57, 20.92, -14.83
CIE LCh	88, 25.641, 324.667
Yxy	71.1771, 0.3139, 0.2879
Android (android.graphics.Color)	4294430712 (0xFFF7CFF8)
YUV	223.6340, 12.0124, 20.4920
Hunter-Lab	84.3665, 16.5716, -10.1342

# Details

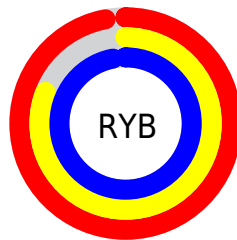
The XYZ color **77.6139, 71.1771, 98.4548** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.8448, 85.0515, 71.7177**, and the grayscale version is **70.5039, 74.1756, 80.7772**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9779, 37.2094, 54.8388** is the 20% darker color. If you saturate the color by 10%, you get **71.8590, 59.9822, 96.5983**, and if you desaturate by 10%, it is **84.3174, 84.2658, 100.6289**.

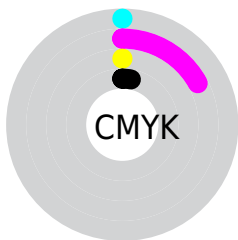
# Distribution



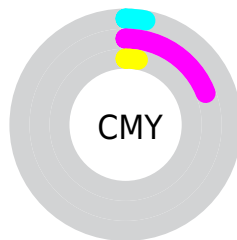
- Red (97%)
- Green (81%)
- Blue (97%)



- Red (97%)
- Yellow (81%)
- Blue (97%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)



- Cyan (3%)
- Magenta (19%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6139, 71.1771, 98.4548 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 77.6139, 71.1771, 98.4548 by changing the saturation by 10% instead.



77.6139, 71.1771,  
98.4548

77.6139, 71.1771,  
98.4548

475.7145,  
464.6723, 576.4315

58.0585, 52.4867,  
74.4010

128.9739,  
120.8859, 161.0654

42.0992, 37.3932,  
54.6236

161.5094,  
152.6730, 200.4593

29.3704, 25.5121,  
38.7038

199.1022,  
189.5946, 245.8037

19.5069, 16.4590,  
26.2234

242.1177,  
232.0350, 297.5171

12.1433, 9.8495,  
16.7635

290.9214,  
280.3786, 356.0180

6.9142, 5.2993,  
9.9059

345.8785,

3.4544, 2.4239,

335.0097, 421.7250

5.2318

407.3544,  
396.3128, 495.0567

■ 1.3983, 0.8382,  
2.3228

■ 0.2550, 0.0000,  
0.7439

■ 77.6139, 71.1771,  
98.4548

■ 77.6139, 71.1771,  
98.4548

■ 71.8590, 59.9822,  
96.5983

■ 84.3174, 84.2658,  
100.6289

■ 67.0024, 50.5840,  
95.0403

■ 91.4898, 98.2925,  
102.9583

■ 62.9988, 42.8908,  
93.7663

■ 91.7047, 98.4033,  
102.9684

■ 59.7964, 36.7990,  
92.7593

■ 91.9204, 98.5145,  
102.9785

57.3379, 32.1939,  
92.0000

92.1368, 98.6260,  
102.9886

55.5582, 28.9455,  
91.4668

92.3539, 98.7379,  
102.9987

54.3812, 26.9013,  
91.1343

92.5716, 98.8502,  
103.0089

53.7113, 25.8706,  
90.9706

92.7901, 98.9628,  
103.0192

53.5459, 25.6466,  
90.9361

93.0092, 99.0758,  
103.0294

# Harmonies

## Analogous

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



72.6341, 71.1771, 111.9688



77.6139, 71.1771, 98.4548



79.9345, 71.1771, 80.6445

# Triad

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



77.6139, 71.1771, 98.4548



68.7410, 71.1771, 48.7857



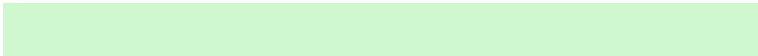
57.6018, 71.1771, 92.2838

# Complementary

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



77.6139, 71.1771, 98.4548



70.8448, 85.0515, 71.7177

# 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.



56.6964, 71.1771, 74.4378



77.6139, 71.1771, 98.4548



62.9026, 71.1771, 50.9482

# Square

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



77.6139, 71.1771, 98.4548



74.6197, 71.1771, 53.3305



58.5807, 71.1771, 59.7514



61.1316, 71.1771, 108.0496



# Rectangle

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



77.6139, 71.1771, 98.4548



79.5669, 71.1771, 69.3507



58.5807, 71.1771, 59.7514



56.9897, 71.1771, 86.2635

# Sweetspot

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



77.6160, 71.1802, 98.4563



91.0023, 92.0743, 107.5835



65.3238, 65.3370, 97.9764



19.3610, 19.4784, 22.9892



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.



77.6160, 71.1802, 98.4563



80.4269, 71.4307, 104.1563



75.1507, 70.2349, 83.6294



17.9487, 17.5017, 21.8175



28.9437, 13.8637, 49.1240



2.6936, 1.2907, 4.5503



# Inverse Universe

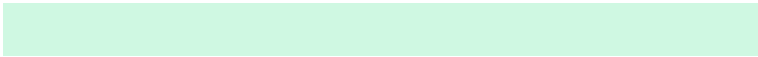
The Inverse Universe completely reimagines the original color for something new.



72.4118, 69.1393, 69.2065



73.8817, 68.8653, 67.3101



73.0477, 85.9003, 84.7804



17.2618, 17.2321, 17.9683



20.9371, 10.7906, 1.1114



1.9450, 1.0017, 0.1337



# Previews

## White Background



This preview shows how the XYZ color 77.6139, 71.1771, 98.4548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

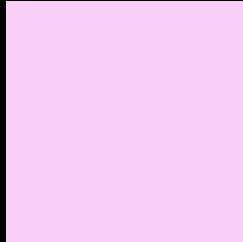
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6139, 71.1771, 98.4548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

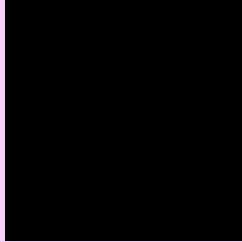
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.6139, 71.1771, 98.4548**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6139, 71.1771, 98.4548.



This preview shows how white text looks on a background with the XYZ color 77.6139, 71.1771,



# 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

77.6139, 71.1771, 98.4548

### Protanopia

70.5620, 71.5089, 104.6913

### Deuteranopia

72.8300, 71.3025, 97.9199



## Tritanopia

74.4676, 71.3677, 82.5235

# Trichromacy



## Original Color

77.6139, 71.1771, 98.4548

## Protanomaly

72.6686, 71.1290, 101.9947

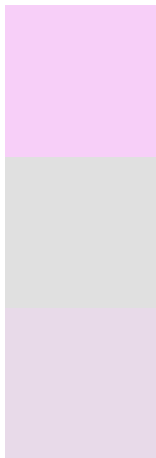
## Deuteranomaly

74.3437, 70.9661, 97.7752

## Tritanomaly

75.6982, 71.5038, 88.4092

# Monochromacy



## Original Color

77.6139, 71.1771, 98.4548

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

73.0581, 73.1818, 87.3657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6139, 71.1771, 98.4548 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(247, 207, 248)` looks like.

```
.text, #text, p{  
    color:rgb(247, 207, 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(247, 207, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 207, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6139, 71.1771, 98.4548 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(247, 207, 248) }
```



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

```
.border{ border-color:rgb(247, 207, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 207, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 207, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 207, 248);  
box-shadow:4px 4px 4px 4px rgb(247, 207,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6139, 71.1771, 98.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 207, 248) }
```

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

```
.background{ background-color: rgb(247,  
207, 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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