

# Converting Colors

XYZ(105.6840, 82.2582,  
251.0637)

Have a look what the booklet for  
XYZ(105.6840, 82.2582, 251.0637)  
contains.

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# Color

**XYZ(77.6711, 71.0787,  
104.2336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4CFFF
RGB	244, 207, 255
RGB Percent	96%, 81%, 100%
CMY	0.0431, 0.1882, 0.0000
CMYK	0.04, 0.19, 0.00, 0.00
HSL	286°, 100%, 91%
HSV	286°, 19%, 100%
XYZ	77.6711, 71.0787, 104.2336
YIQ	223.5350, 6.6440, 22.7720

# Conversions

## Conversions Part 2

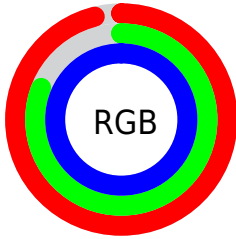
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 207, 255
Decimal	16044031
CIE Lab	87.52, 21.24, -18.62
CIE LCh	88, 28.247, 318.753
Yxy	71.0787, 0.3070, 0.2810
Android (android.graphics.Color)	4294234111 (0xFFFF4CFFF)
YUV	223.5350, 15.5122, 17.9478
Hunter-Lab	84.3082, 16.9084, -14.2869

# Details

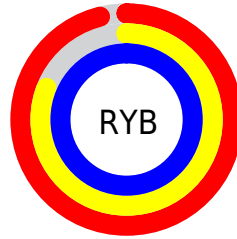
The XYZ color **77.6711, 71.0787, 104.2336** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.9375, 90.9312, 72.5840**, and the grayscale version is **70.4112, 74.0781, 80.6710**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9148, 37.0985, 58.3777** is the 20% darker color. If you saturate the color by 10%, you get **69.9901, 58.6783, 102.2449**, and if you desaturate by 10%, it is **86.4180, 85.5135, 106.5588**.

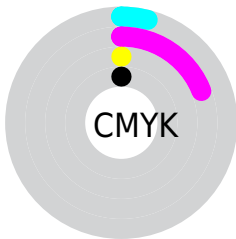
# Distribution



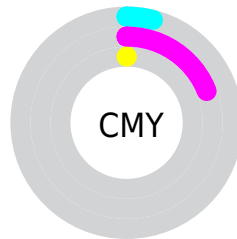
- Red (96%)
- Green (81%)
- Blue (100%)



- Red (96%)
- Yellow (81%)
- Blue (100%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6711, 71.0787, 104.2336 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 77.6711, 71.0787, 104.2336 by changing the saturation by 10% instead.



77.6711, 71.0787,  
104.2336

77.6711, 71.0787,  
104.2336

475.9060,  
464.3285, 595.0446

58.1057, 52.4064,  
79.2044

129.0542,  
120.7458, 169.0655

42.1372, 37.3291,  
58.5415

161.6026,  
152.5094, 209.7052

29.4003, 25.4624,  
41.8266

199.2093,  
189.4055, 256.3855

19.5297, 16.4219,  
28.6410

242.2398,  
231.8186, 309.5249

12.1599, 9.8232,  
18.5662

291.0594,  
280.1331, 369.5420

6.9256, 5.2819,  
11.1836

346.0333,

3.4616, 2.4136,

334.7333, 436.8553

6.0747

407.5271,  
396.0036, 511.8833

■ 1.4023, 0.8329,  
2.8211

■ 0.2579, 0.0000,  
1.0040

■ 77.6711, 71.0787,  
104.2336

■ 77.6711, 71.0787,  
104.2336

■ 69.9901, 58.6783,  
102.2449

■ 86.4180, 85.5135,  
106.5588

■ 63.3206, 48.2074,  
100.5753

95.0500, 100.0000,  
108.9000

■ 57.6124, 39.5652,  
99.2081

■ 52.8081, 32.6382,  
98.1243

■ 48.8441, 27.2998,  
97.3028

■ 45.6477, 23.4058,  
96.7196

■ 43.1330, 20.7851,  
96.3463

■ 41.1757, 19.1902,  
96.1416

■ 40.9629, 19.0320,  
96.1223

# Harmonies

## Analogous

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



71.7674, 71.0787, 117.6603



77.6711, 71.0787, 104.2336



80.9391, 71.0787, 84.7825

# Triad

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



77.6711, 71.0787, 104.2336



70.0915, 71.0787, 46.6587



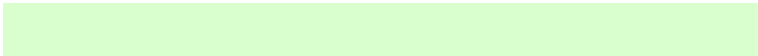
56.1231, 71.0787, 89.8167

# Complementary

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



77.6711, 71.0787, 104.2336



75.9375, 90.9312, 72.5840

# 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.



55.7398, 71.0787, 70.4452



77.6711, 71.0787, 104.2336



63.5168, 71.0787, 47.5529

# Square

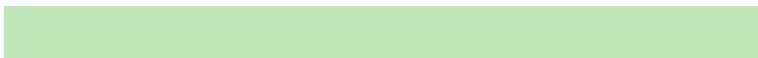
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6711, 71.0787, 104.2336



76.3749, 71.0787, 52.9227



58.3635, 71.0787, 55.6070



59.4475, 71.0787, 108.4372



# Rectangle

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



77.6711, 71.0787, 104.2336



81.0486, 71.0787, 71.9346



58.3635, 71.0787, 55.6070



55.6545, 71.0787, 83.1200

# Sweetspot

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



77.6731, 71.0817, 104.2341



89.0837, 89.9648, 107.2775



68.9079, 70.7348, 104.6291



18.9338, 19.0324, 22.9256



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.



77.6731, 71.0817, 104.2341



74.3362, 65.6575, 103.3630



79.6114, 72.3111, 93.9245



18.3617, 18.0782, 22.7716



21.5406, 10.0151, 50.2324



2.1918, 1.0238, 4.8954



# Inverse Universe

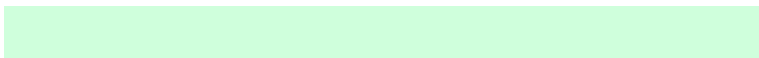
The Inverse Universe completely reimagines the original color for something new.



76.2094, 70.9503, 76.0099



72.6656, 65.5406, 69.6561



74.3859, 89.9431, 81.0142



18.1798, 18.0553, 19.5642



22.0001, 11.2893, 3.3851



2.1816, 1.1150, 0.5377



# Previews

## White Background



This preview shows how the XYZ color 77.6711, 71.0787, 104.2336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

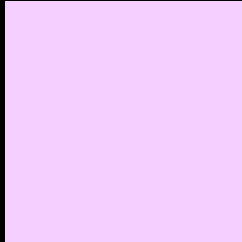
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6711, 71.0787, 104.2336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

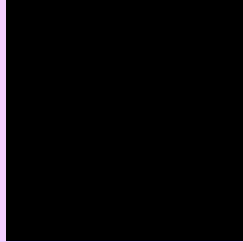
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.6711, 71.0787, 104.2336

## Background



This preview shows how black text looks on a background with the XYZ color 77.6711, 71.0787, 104.2336.



This preview shows how white text looks on a background with the XYZ color 77.6711, 71.0787,



# 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

77.6711, 71.0787, 104.2336

### Protanopia

70.2728, 71.3599, 104.6778

### Deuteranopia

72.9873, 71.2564, 103.6730



## Tritanopia

73.4823, 71.2137, 83.2715

# Trichromacy



## Original Color

77.6711, 71.0787, 104.2336

## Protanomaly

72.8370, 71.1604, 104.5042

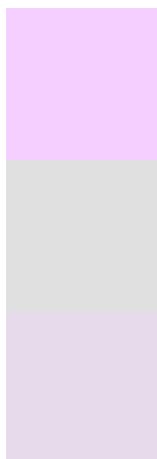
## Deuteranomaly

74.4624, 70.9001, 103.5264

## Tritanomaly

74.7548, 70.9670, 90.6469

# Monochromacy



## Original Color

77.6711, 71.0787, 104.2336

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

73.0218, 73.1299, 88.8641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6711, 71.0787, 104.2336 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6711, 71.0787, 104.2336 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, 207, 255) }
```



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

```
.border{ border-color:rgb(244, 207, 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, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6711, 71.0787, 104.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 207, 255) }
```

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

```
.background{ background-color: rgb(244,  
207, 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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