

# Converting Colors

XYZ(78.3148, 70.6728,  
109.1336)

Have a look what the booklet for  
XYZ(78.3148, 70.6728, 109.1336)  
contains.

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# Color

**XYZ(77.1895, 70.1157,  
104.0731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4CDFF
RGB	244, 205, 255
RGB Percent	96%, 80%, 100%
CMY	0.0431, 0.1961, 0.0000
CMYK	0.04, 0.20, 0.00, 0.00
HSL	287°, 100%, 90%
HSV	287°, 20%, 100%
XYZ	77.1895, 70.1157, 104.0731
YIQ	222.3610, 7.1940, 23.8180

# Conversions

## Conversions Part 2

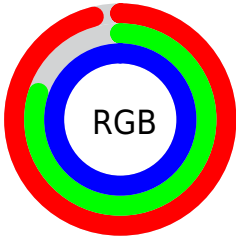
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">244, 205, 255</a>
Decimal	<a href="#">16043519</a>
CIELab	<a href="#">87.05, 22.29, -19.33</a>
CIElCh	<a href="#">87, 29.509, 319.071</a>
Yxy	<a href="#">70.1157, 0.3071, 0.2789</a>
Android (android.graphics.Color)	<a href="#">4294233599 (0xFFFF4CDFF)</a>
YUV	<a href="#">222.3610, 16.0910, 18.9774</a>
Hunter-Lab	<a href="#">83.7351, 18.0101, -15.0761</a>

# Details

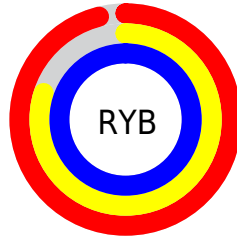
The XYZ color **77.1895, 70.1157, 104.0731** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.1001, 90.5275, 71.2764**, and the grayscale version is **69.5742, 73.1975, 79.7120**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7532, 36.7752, 58.3238** is the 20% darker color. If you saturate the color by 10%, you get **69.6633, 57.9082, 102.1135**, and if you desaturate by 10%, it is **85.7729, 84.3476, 106.3677**.

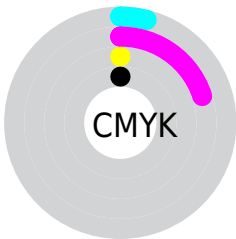
# Distribution



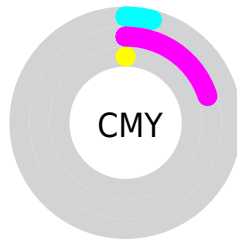
- Red (96%)
- Green (80%)
- Blue (100%)



- Red (96%)
- Yellow (80%)
- Blue (100%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1895, 70.1157, 104.0731 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 77.1895, 70.1157, 104.0731 by changing the saturation by 10% instead.



77.1895, 70.1157,  
104.0731

77.1895, 70.1157,  
104.0731

474.2919,  
460.9561, 594.5318

57.7089, 51.6209,  
79.0707

128.3784,  
119.3737, 168.8439

41.8170, 36.7030,  
58.4323

160.8173,  
150.9057, 209.4494

29.1485, 24.9776,  
41.7393

198.3065,  
187.5522, 256.0930

19.3380, 16.0604,  
28.5732

241.2111,  
229.6976, 309.1933

12.0202, 9.5669,  
18.5154

289.8966,  
277.7263, 369.1688

6.8298, 5.1127,  
11.1474

344.7283,

3.4012, 2.3136,

332.0227, 436.4380

6.0506

406.0717,  
392.9712, 511.4195

■ 1.3693, 0.7809,  
2.8066

■ 0.2342, 0.0000,  
0.9968

■ 77.1895, 70.1157,  
104.0731

■ 77.1895, 70.1157,  
104.0731

■ 69.6633, 57.9082,  
102.1135

■ 85.7729, 84.3476,  
106.3677

■ 63.1397, 47.6200,  
100.4715

95.0500, 100.0000,  
108.9000

■ 57.5683, 39.1495,  
99.1302

■ 52.8913, 32.3822,  
98.0705

■ 49.0445, 27.1906,  
97.2711

■ 45.9545, 23.4286,  
96.7078

■ 43.5341, 20.9227,  
96.3517

■ 41.6470, 19.4009,  
96.1574

■ 41.5774, 19.3488,  
96.1511

# Harmonies

## Analogous

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



71.0774, 70.1157, 118.2321



77.1895, 70.1157, 104.0731



80.5527, 70.1157, 83.7852

# Triad

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



77.1895, 70.1157, 104.0731



69.1928, 70.1157, 44.7555



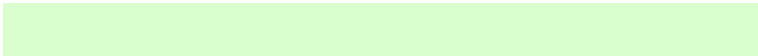
54.8618, 70.1157, 89.4590

# Complementary

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



77.1895, 70.1157, 104.0731



75.1001, 90.5275, 71.2764

# 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.



54.4342, 70.1157, 69.3571



77.1895, 70.1157, 104.0731



62.3968, 70.1157, 45.7418

# Square

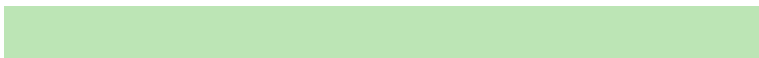
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1895, 70.1157, 104.0731



75.7282, 70.1157, 51.0610



57.1035, 70.1157, 54.0377



58.3149, 70.1157, 108.8391



# Rectangle

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



77.1895, 70.1157, 104.0731



80.6376, 70.1157, 70.5028



57.1035, 70.1157, 54.0377



54.3689, 70.1157, 82.4994

# Sweetspot

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



77.1914, 70.1186, 104.0736



89.1344, 89.9909, 107.2798



67.9564, 69.6561, 104.4710



18.9458, 19.0386, 22.9262



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.



77.1914, 70.1186, 104.0736



73.7564, 64.5100, 103.1720



79.0498, 71.3161, 93.3423



18.3787, 18.0870, 22.7724



21.8583, 10.1788, 50.2472



2.2202, 1.0385, 4.8967



# Inverse Universe

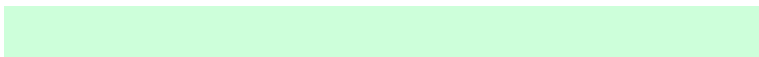
The Inverse Universe completely reimagines the original color for something new.



75.4677, 69.8833, 74.4794



71.7820, 64.2725, 67.8229



73.6374, 89.5795, 79.9708



18.1729, 18.0525, 19.5278



21.9680, 11.2765, 3.2161



2.1776, 1.1134, 0.5165



# Previews

## White Background



This preview shows how the XYZ color 77.1895, 70.1157, 104.0731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

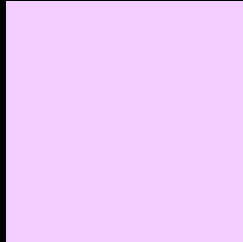
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1895, 70.1157, 104.0731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

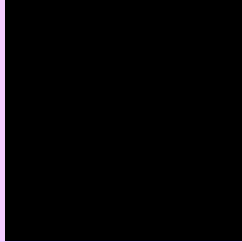
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

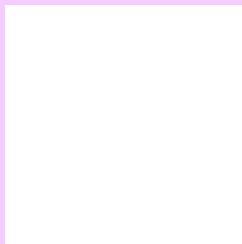
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.1895, 70.1157, 104.0731

## Background



This preview shows how black text looks on a background with the XYZ color 77.1895, 70.1157, 104.0731.



This preview shows how white text looks on a background with the XYZ color 77.1895, 70.1157,



# 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

77.1895, 70.1157, 104.0731

### Protanopia

69.4412, 70.5473, 104.5648

### Deuteranopia

71.9553, 70.3683, 102.7185



## **Tritanopia**

72.7092, 70.1094, 81.6518

# Trichromacy



## Original Color

77.1895, 70.1157, 104.0731



## Protanomaly

71.9685, 70.3381, 104.3912



## Deuteranomaly

73.8910, 70.2379, 103.4287



## Tritanomaly

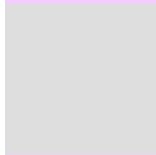
74.1176, 69.9269, 89.7116

# Monochromacy



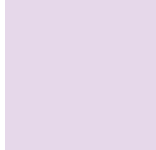
## Original Color

77.1895, 70.1157, 104.0731



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

72.0403, 71.8752, 87.9183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1895, 70.1157, 104.0731 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 205, 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, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 205, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1895, 70.1157, 104.0731 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, 205, 255) }
```



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

```
.border{ border-color:rgb(244, 205, 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, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 205,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1895, 70.1157, 104.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 205, 255) }
```

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

```
.background{ background-color: rgb(244,  
205, 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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