

Converting Colors

XYZ(78.9139, 70.1634, 96.0129)

Have a look what the booklet for
XYZ(78.9139, 70.1634, 96.0129)
contains.

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Color

**XYZ(78.8420, 70.0936,
95.7602)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAF5
RGB	255, 202, 245
RGB Percent	100%, 79%, 96%
CMY	0.0000, 0.2078, 0.0392
CMYK	0.00, 0.21, 0.04, 0.00
HSL	311°, 100%, 90%
HSV	311°, 21%, 100%
XYZ	78.8420, 70.0936, 95.7602
YIQ	222.7490, 17.7850, 24.6090

Conversions

Conversions Part 2

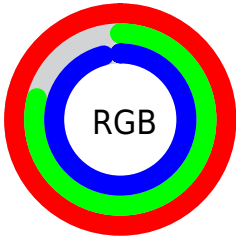
Format	Color
R _Y B	255, 202, 245
Decimal	16763637
CIE Lab	87.04, 25.65, -13.96
CIE LCh	87, 29.199, 331.441
Yxy	70.0936, 0.3222, 0.2865
Android (android.graphics.Color)	4294953717 (0xFFFFCAF5)
YUV	222.7490, 10.9697, 28.2841
Hunter-Lab	83.7219, 21.5824, -9.2099

Details

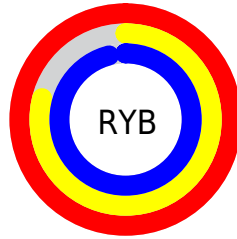
The XYZ color **78.8420, 70.0936, 95.7602** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.0029, 88.8310, 75.6414**, and the grayscale version is **69.8784, 73.5175, 80.0605**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0639, 36.8597, 52.9890** is the 20% darker color. If you saturate the color by 10%, you get **72.6211, 58.8119, 90.1105**, and if you desaturate by 10%, it is **86.0735, 83.3656, 101.8430**.

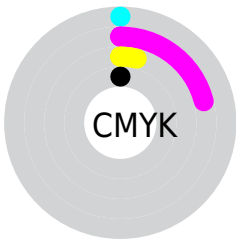
Distribution



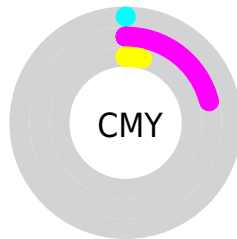
- Red (100%)
- Green (79%)
- Blue (96%)



- Red (100%)
- Yellow (79%)
- Blue (96%)



- Cyan (0%)
- Magenta (21%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8420, 70.0936, 95.7602 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 78.8420, 70.0936, 95.7602 by changing the saturation by 10% instead.


 78.8420, 70.0936,
95.7602

 78.8420, 70.0936,
95.7602


479.8179,
460.8786, 567.6422

 59.0711, 51.6028,
72.1675

130.6955,
119.3422, 157.3190

 42.9169, 36.6886,
52.8078


163.5088,
150.8689, 196.1222

 30.0142, 24.9665,
37.2627


201.4003,
187.5096, 240.8326

 19.9975, 16.0521,
25.1136

244.7353,
229.6489, 291.8688

 12.5015, 9.5610,
15.9419

293.8792,
277.6710, 349.6494

 7.1608, 5.1089,
9.3291

349.1974,

 3.6101, 2.3113,

331.9604, 414.5927

4.8568

411.0551,
392.9015, 487.1175

■ 1.4840, 0.7797,
2.1062

■ 0.3149, 0.0000,
0.6195

■ 78.8420, 70.0936,
95.7602

■ 78.8420, 70.0936,
95.7602

■ 72.6211, 58.8119,
90.1105

■ 86.0735, 83.3656,
101.8430

■ 67.3577, 49.4151,
84.8724

■ 94.3565, 98.7099,
108.3703

■ 63.0006, 41.8007,
80.0293

■ 95.0500, 100.0000,
108.9000

■ 59.4918, 35.8531,
75.5611

■ 56.7665, 31.4429,
71.4454

■ 54.7505, 28.4219,
67.6568

■ 53.3549, 26.6124,
64.1649

■ 52.4888, 25.7595,
61.1652

Harmonies

Analogous

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



73.7136, 70.0936, 113.1381



78.8420, 70.0936, 95.7602



80.6395, 70.0936, 75.3773

Triad

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



78.8420, 70.0936, 95.7602



66.2919, 70.0936, 44.5435



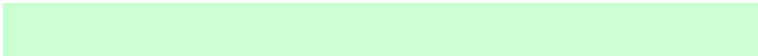
56.0285, 70.0936, 97.6802

Complementary

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



78.8420, 70.0936, 95.7602



72.0029, 88.8310, 75.6414

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.



54.3308, 70.0936, 77.2705



78.8420, 70.0936, 95.7602



60.0002, 70.0936, 48.5059

Square

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



78.8420, 70.0936, 95.7602



73.1028, 70.0936, 47.8095



55.7345, 70.0936, 59.7068



60.5357, 70.0936, 114.3733

Rectangle

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



78.8420, 70.0936, 95.7602



79.6158, 70.0936, 63.3740



55.7345, 70.0936, 59.7068



55.1248, 70.0936, 90.9190

Sweetspot

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



78.8435, 70.0964, 95.7617



89.9005, 90.4391, 104.9078



66.2430, 63.4194, 103.3575



19.1274, 19.1448, 22.3637



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.



78.8435, 70.0964, 95.7617



76.0988, 65.1001, 93.3265



75.1200, 68.6070, 76.1543



18.6370, 18.2381, 21.9717



27.4791, 13.4809, 32.2372



2.7117, 1.3271, 3.3293

Inverse Universe

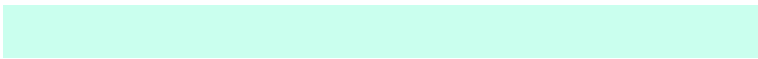
The Inverse Universe completely reimagines the original color for something new.



78.8435, 70.0964, 95.7617



76.0988, 65.1001, 93.3265



75.5834, 90.2632, 94.4962



18.6370, 18.2381, 21.9717



27.4791, 13.4809, 32.2372



2.7117, 1.3271, 3.3293

Previews

White Background



This preview shows how the XYZ color 78.8420, 70.0936, 95.7602 looks on a white background.

Color Contrast Check

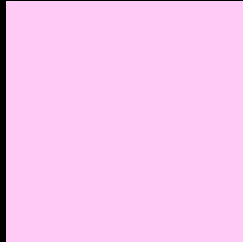
Large Text (above 18pt) WCAG AA × Fail

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 78.8420, 70.0936, 95.7602 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 78.8420, 70.0936, 95.7602

Background



This preview shows how black text looks on a background with the XYZ color 78.8420, 70.0936, 95.7602.



This preview shows how white text looks on a background with the XYZ color 78.8420, 70.0936,

95.7602.

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

78.8420, 70.0936, 95.7602

Protanopia

69.5662, 70.6303, 103.7324

Deuteranopia

71.7161, 70.0520, 94.5356



Tritanopia

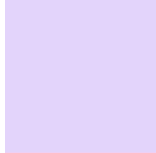
75.4010, 70.1120, 78.6661

Trichromacy



Original Color

78.8420, 70.0936, 95.7602



Protanomaly

72.6346, 70.3829, 101.0238



Deuteranomaly

74.1449, 69.8205, 95.1568



Tritanomaly

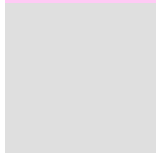
76.6223, 70.2585, 84.3857

Monochromacy



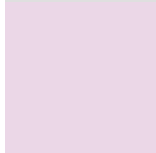
Original Color

78.8420, 70.0936, 95.7602



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

72.9852, 72.0326, 85.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8420, 70.0936, 95.7602 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(255, 202, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 245)  
}
```

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(255, 202, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 245) }
```

Border

The CSS property to change the border of an element to XYZ 78.8420, 70.0936, 95.7602 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(255, 202, 245) }
```


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

```
.border{ border-color:rgb(255, 202, 245) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8420, 70.0936, 95.7602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 245) }
```

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

```
.background{ background-color: rgb(255,  
202, 245) }
```

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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