

# Converting Colors

XYZ(81.0706, 67.0789,  
100.9692)

Have a look what the booklet for  
XYZ(81.0706, 67.0789, 100.9692)  
contains.

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# Color

**XYZ(77.2241, 65.1152,  
100.5938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBEFC
RGB	255, 190, 252
RGB Percent	100%, 75%, 99%
CMY	0.0000, 0.2549, 0.0118
CMYK	0.00, 0.25, 0.01, 0.00
HSL	303°, 100%, 87%
HSV	303°, 25%, 100%
XYZ	77.2241, 65.1152, 100.5938
YIQ	216.5030, 18.8380, 33.0620

# Conversions

## Conversions Part 2

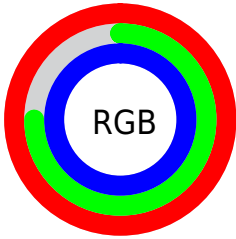
Format	Color
R <sub>Y</sub> B	255, 190, 252
Decimal	16760572
CIE Lab	84.54, 33.19, -21.44
CIE LCh	85, 39.509, 327.135
Yxy	65.1152, 0.3179, 0.2680
Android (android.graphics.Color)	4294950652 (0xFFFFBEFC)
YUV	216.5030, 17.5000, 33.7619
Hunter-Lab	80.6940, 29.6099, -17.4256

# Details

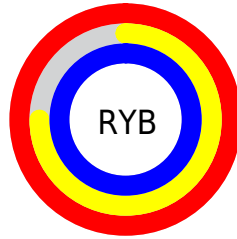
The XYZ color **77.2241, 65.1152, 100.5938** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.6228, 86.3184, 63.6045**, and the grayscale version is **65.4900, 68.9006, 75.0327**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **41.9432, 33.5542, 55.8957** is the 20% darker color. If you saturate the color by 10%, you get **71.9911, 54.9463, 97.9332**, and if you desaturate by 10%, it is **83.4274, 77.2221, 103.5853**.

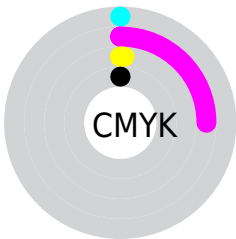
# Distribution



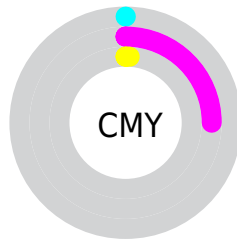
- Red (100%)
- Green (75%)
- Blue (99%)



- Red (100%)
- Yellow (75%)
- Blue (99%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2241, 65.1152, 100.5938 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 77.2241, 65.1152, 100.5938 by changing the saturation by 10% instead.



77.2241, 65.1152,  
100.5938

77.2241, 65.1152,  
100.5938

474.4080,  
443.2058, 583.3577

57.7374, 47.5545,  
76.1769

128.4269,  
112.2155, 164.0319

41.8400, 33.4742,  
56.0700

160.8738,  
142.5238, 203.8903

29.1666, 22.4900,  
39.8547

198.3714,  
177.8502, 249.7328

19.3518, 14.2174,  
27.1124

241.2850,  
218.5789, 301.9781

12.0303, 8.2720,  
17.4244

289.9802,  
265.0945, 361.0447

6.8366, 4.2695,  
10.3724

344.8222,

3.4056, 1.8254,

317.7812, 427.3511

5.5378

406.1763,  
377.0235, 501.3160

■ 1.3717, 0.5029,  
2.5019

■ 0.2359, 0.0000,  
0.8412

■ 77.2241, 65.1152,  
100.5938

■ 77.2241, 65.1152,  
100.5938

■ 71.9911, 54.9463,  
97.9332

■ 83.4274, 77.2221,  
103.5853

■ 67.6736, 46.6070,  
95.5826

■ 90.6432, 91.3525,  
106.9191

■ 64.2182, 39.9901,  
93.5250

95.0500, 100.0000,  
108.9000

■ 61.5642, 34.9740,  
91.7403

■ 59.6430, 31.4216,  
90.2054

■ 58.3743, 29.1725,  
88.8937

■ 57.6590, 28.0285,  
87.7721

■ 57.4531, 27.7452,  
87.3068

# Harmonies

## Analogous

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



69.9355, 65.1152, 123.3825



77.2241, 65.1152, 100.5938



80.3816, 65.1152, 73.3503

# Triad

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



77.2241, 65.1152, 100.5938



62.7400, 65.1152, 32.6679



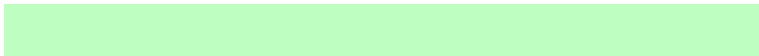
48.0155, 65.1152, 95.3868

# Complementary

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



77.2241, 65.1152, 100.5938



66.6228, 86.3184, 63.6045

# 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.



46.4771, 65.1152, 68.5037



77.2241, 65.1152, 100.5938



54.4866, 65.1152, 35.9168

# Square

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



77.2241, 65.1152, 100.5938



71.5375, 65.1152, 37.4788



48.7334, 65.1152, 47.7122



53.1515, 65.1152, 119.9097



# Rectangle

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



77.2241, 65.1152, 100.5938



79.5155, 65.1152, 57.5547



48.7334, 65.1152, 47.7122



47.0829, 65.1152, 86.1621

# Sweetspot

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



77.2256, 65.1178, 100.5952



88.7327, 87.6074, 106.0485



58.2466, 55.2784, 102.2076



18.7543, 18.2850, 22.5894



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.



77.2256, 65.1178, 100.5952



74.2238, 59.2784, 99.0883



72.6176, 63.2746, 76.3299



18.7543, 18.2850, 22.5894



30.0364, 14.5038, 45.7034



2.9353, 1.4165, 4.5066



# Inverse Universe

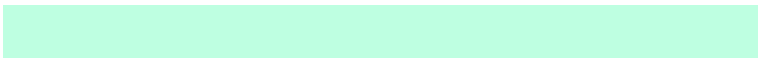
The Inverse Universe completely reimagines the original color for something new.



77.2256, 65.1178, 100.5952



74.2238, 59.2784, 99.0883



70.5422, 87.8861, 84.2437



18.7543, 18.2850, 22.5894



30.0364, 14.5038, 45.7034



2.9353, 1.4165, 4.5066



# Previews

## White Background



This preview shows how the XYZ color 77.2241, 65.1152, 100.5938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

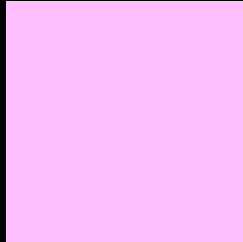
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2241, 65.1152, 100.5938 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 77.2241, 65.1152, 100.5938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2241, 65.1152, 100.5938.



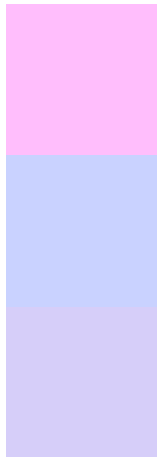
This preview shows how white text looks on a background with the XYZ color 77.2241, 65.1152,

100.5938.

# 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

77.2241, 65.1152, 100.5938

### Protanopia

65.1840, 65.7307, 103.8595

### Deuteranopia

66.9017, 65.2783, 98.6964



## Tritanopia

71.4008, 65.0606, 71.7455

# Trichromacy



## Original Color

77.2241, 65.1152, 100.5938



## Protanomaly

69.0641, 65.2398, 102.7184



## Deuteranomaly

70.2227, 64.8687, 99.2623



## Tritanomaly

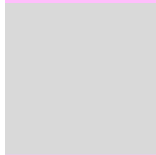
73.3018, 64.8251, 81.3221

# Monochromacy



## Original Color

77.2241, 65.1152, 100.5938



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

69.5507, 67.3277, 84.1927

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2241, 65.1152, 100.5938 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, 190, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 252)  
}
```

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, 190, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2241, 65.1152, 100.5938 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, 190, 252) }
```



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

```
.border{ border-color:rgb(255, 190, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2241, 65.1152, 100.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 252) }
```

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

```
.background{ background-color: rgb(255,  
190, 252) }
```

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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