

# Converting Colors

XYZ(77.7529, 65.7617,  
102.0367)

Have a look what the booklet for  
XYZ(77.7529, 65.7617, 102.0367)  
contains.

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# Color

**XYZ(77.7602, 65.6774,  
102.3445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFFE
RGB	255, 191, 254
RGB Percent	100%, 75%, 100%
CMY	0.0000, 0.2510, 0.0039
CMYK	0.00, 0.25, 0.00, 0.00
HSL	301°, 100%, 87%
HSV	301°, 25%, 100%
XYZ	77.7602, 65.6774, 102.3445
YIQ	217.3180, 17.9210, 33.1610

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 191, 254
Decimal	16760830
CIE Lab	84.83, 33.02, -22.07
CIE LCh	85, 39.713, 326.246
Yxy	65.6774, 0.3164, 0.2672
Android (android.graphics.Color)	4294950910 (0xFFFFBFFE)
YUV	217.3180, 18.0842, 33.0471
Hunter-Lab	81.0416, 29.4497, -18.1461

# Details

The XYZ color **77.7602, 65.6774, 102.3445** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.7623, 86.4031, 63.0306**, and the grayscale version is **66.0441, 69.4835, 75.6675**.

A 20% lighter version of the original color is **92.8574, 95.6148, 108.1691**, and **42.3124, 33.9283, 57.1420** is the 20% darker color. If you saturate the color by 10%, you get **72.6124, 55.4835, 100.3153**, and if you desaturate by 10%, it is **83.8791, 77.8127, 104.6998**.

# Distribution



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



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7602, 65.6774, 102.3445 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 77.7602, 65.6774, 102.3445 by changing the saturation by 10% instead.





 77.7602, 65.6774,  
102.3445

 77.7602, 65.6774,  
102.3445


476.2043,  
445.2223, 588.9942

 58.1791, 48.0106,  
77.6322


 129.1792,  
113.0232, 166.4552

 42.1965, 33.8353,  
57.2572


161.7478,  
143.4709, 206.6908

 29.4470, 22.7671,  
40.8011

199.3763,  
178.9478, 252.9378

 19.5652, 14.4216,  
27.8451

242.4300,  
219.8381, 305.6149

 12.1858, 8.4145,  
17.9709

291.2743,  
266.5263, 365.1405

 6.9434, 4.3613,  
10.7599

346.2746,

 3.4728, 1.8776,

319.3968, 431.9332

5.7935

407.7961,  
378.8340, 506.4116

■ 1.4084, 0.5349,  
2.6532

■ 0.2622, 0.0000,  
0.9197

■ 77.7602, 65.6774,  
102.3445

■ 77.7602, 65.6774,  
102.3445

■ 72.6124, 55.4835,  
100.3153

■ 83.8791, 77.8127,  
104.6998

■ 68.3812, 47.1228,  
98.5914

■ 91.0112, 91.9747,  
107.3927

■ 65.0134, 40.4886,  
97.1559

95.0500, 100.0000,  
108.9000

■ 62.4484, 35.4600,  
95.9887

■ 60.6181, 31.9003,  
95.0670

■ 59.4427, 29.6504,  
94.3643

■ 58.8242, 28.5140,  
93.8478

■ 58.6557, 28.2263,  
93.6398

# Harmonies

## Analogous

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



70.3017, 65.6774, 125.0881



77.7602, 65.6774, 102.3445



81.1041, 65.6774, 74.7687

# Triad

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



77.7602, 65.6774, 102.3445



63.5516, 65.6774, 32.9090



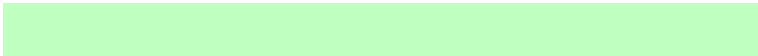
48.2999, 65.6774, 95.4470

# Complementary

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



77.7602, 65.6774, 102.3445



66.7623, 86.4031, 63.0306

# 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.



46.8586, 65.6774, 68.3503



77.7602, 65.6774, 102.3445



55.1587, 65.6774, 35.9469

# Square

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



77.7602, 65.6774, 102.3445



72.4234, 65.6774, 38.0140



49.2504, 65.6774, 47.5912



53.3909, 65.6774, 120.4871



# Rectangle

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



77.7602, 65.6774, 102.3445



80.3367, 65.6774, 58.6587



49.2504, 65.6774, 47.5912



47.3946, 65.6774, 86.1167

# Sweetspot

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



77.7616, 65.6800, 102.3459



88.8327, 87.6474, 106.5749



58.1694, 55.5613, 102.2663



18.7797, 18.2952, 22.7232



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.



77.7616, 65.6800, 102.3459



75.1184, 60.4435, 101.3106



73.1917, 63.8520, 78.2811



18.7797, 18.2952, 22.7232



30.6545, 14.7511, 48.9583



2.9885, 1.4378, 4.7868



# Inverse Universe

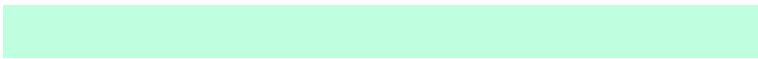
The Inverse Universe completely reimagines the original color for something new.



77.7616, 65.6800, 102.3459



75.1184, 60.4435, 101.3106



70.5670, 87.9250, 83.0660



18.7797, 18.2952, 22.7232



30.6545, 14.7511, 48.9583



2.9885, 1.4378, 4.7868



# Previews

## White Background



This preview shows how the XYZ color 77.7602, 65.6774, 102.3445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

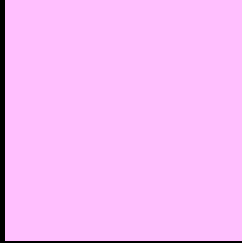
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7602, 65.6774, 102.3445 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 77.7602, 65.6774, 102.3445**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7602, 65.6774, 102.3445.



This preview shows how white text looks on a background with the XYZ color 77.7602, 65.6774,



# 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

77.7602, 65.6774, 102.3445

### Protanopia

65.4537, 65.8697, 103.8721

### Deuteranopia

67.4570, 65.8868, 100.4289



## Tritanopia

71.3986, 65.3829, 72.4754

# Trichromacy



## Original Color

77.7602, 65.6774, 102.3445



## Protanomaly

69.2247, 65.3040, 103.5641



## Deuteranomaly

70.7704, 65.4596, 101.0004



## Tritanomaly

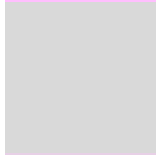
73.4416, 65.1966, 82.8421

# Monochromacy



## Original Color

77.7602, 65.6774, 102.3445



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

69.7938, 67.8138, 84.2738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7602, 65.6774, 102.3445 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, 191, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 254)  
}
```

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, 191, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7602, 65.6774, 102.3445 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, 191, 254) }
```



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

```
.border{ border-color:rgb(255, 191, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7602, 65.6774, 102.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 254) }
```

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

```
.background{ background-color: rgb(255,  
191, 254) }
```

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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