

# Converting Colors

XYZ(73.9736, 68.8161,  
103.9917)

Have a look what the booklet for  
XYZ(73.9736, 68.8161, 103.9917)  
contains.

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# Color

**XYZ(74.0530, 68.8550,  
103.9951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EACEFF
RGB	234, 206, 255
RGB Percent	92%, 81%, 100%
CMY	0.0823, 0.1921, 0.0000
CMYK	0.08, 0.19, 0.00, 0.00
HSL	274°, 100%, 90%
HSV	274°, 19%, 100%
XYZ	74.0530, 68.8550, 103.9951
YIQ	219.9580, 0.9590, 21.1750

# Conversions

## Conversions Part 2

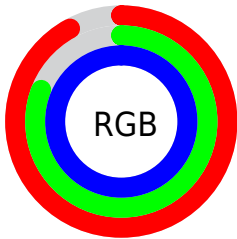
Format	Color
<a href="#">RYB</a>	<a href="#">234, 206, 255</a>
Decimal	<a href="#">15388415</a>
CIELab	<a href="#">86.43, 18.57, -20.35</a>
CIElCh	<a href="#">86, 27.550, 312.371</a>
Yxy	<a href="#">68.8550, 0.2999, 0.2789</a>
Android (android.graphics.Color)	<a href="#">4293578495 (0xFFEACEFF)</a>
YUV	<a href="#">219.9580, 17.2757, 12.3148</a>
Hunter-Lab	<a href="#">82.9789, 14.0859, -16.2212</a>

# Details

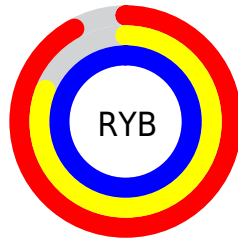
The XYZ color **74.0530, 68.8550, 103.9951** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.5807, 92.3078, 72.0713**, and the grayscale version is **67.8828, 71.4180, 77.7742**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7814, 35.9987, 58.2778** is the 20% darker color. If you saturate the color by 10%, you get **64.9275, 55.7665, 101.9497**, and if you desaturate by 10%, it is **84.3995, 84.0550, 106.3836**.

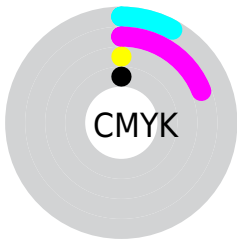
# Distribution



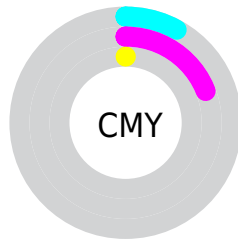
- Red (92%)
- Green (81%)
- Blue (100%)



- Red (92%)
- Yellow (81%)
- Blue (100%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0530, 68.8550, 103.9951 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 74.0530, 68.8550, 103.9951 by changing the saturation by 10% instead.



74.0530, 68.8550,  
103.9951

74.0530, 68.8550,  
103.9951

463.7038,  
456.5194, 594.2825

55.1289, 50.5936,  
79.0058

123.9660,  
117.5744, 168.7362

39.7391, 35.8853,  
58.3792

155.6856,  
148.8013, 209.3251

27.5185, 24.3456,  
41.6969

192.4011,  
185.1188, 255.9508

18.1016, 15.5902,  
28.5402

234.4778,  
226.9113, 309.0321

11.1231, 9.2346,  
18.4907

282.2810,  
274.5632, 368.9873

6.2176, 4.8945,  
11.1298

336.1762,

3.0198, 2.1855,

328.4590, 436.2351

6.0389

396.5287,  
388.9829, 511.1940

■ 1.1642, 0.7121,  
2.7996

■ 0.0778, 0.0000,  
0.9932

■ 74.0530, 68.8550,  
103.9951

■ 74.0530, 68.8550,  
103.9951

■ 64.9275, 55.7665,  
101.9497

■ 84.3995, 84.0550,  
106.3836

■ 56.9654, 44.6830,  
100.2300

95.0500, 100.0000,  
108.9000

■ 50.1126, 35.5014,  
98.8190

■ 44.3080, 28.1059,  
97.6974

■ 39.4840, 22.3674,  
96.8440

■ 35.5636, 18.1388,  
96.2345

■ 32.4564, 15.2459,  
95.8399

■ 30.0280, 13.4272,  
95.6168

■ 29.8533, 13.3048,  
95.6024

# Harmonies

## Analogous

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



68.1045, 68.8550, 114.7302



74.0530, 68.8550, 103.9951



77.8284, 68.8550, 86.1072

# Triad

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



74.0530, 68.8550, 103.9951



69.2254, 68.8550, 46.2580



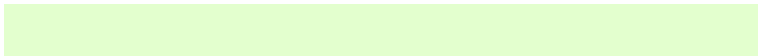
54.1926, 68.8550, 82.7423

# Complementary

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



74.0530, 68.8550, 103.9951



78.5807, 92.3078, 72.0713

# 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.



54.4495, 68.8550, 64.8396



74.0530, 68.8550, 103.9951



62.8549, 68.8550, 45.6569

# Square

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



74.0530, 68.8550, 103.9951



74.9193, 68.8550, 53.7247



57.5306, 68.8550, 51.9226



56.8044, 68.8550, 101.1899



# Rectangle

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



74.0530, 68.8550, 103.9951



78.4642, 68.8550, 73.5292



57.5306, 68.8550, 51.9226



53.9513, 68.8550, 76.4323

# Sweetspot

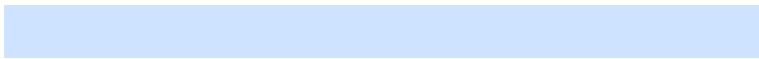
The Sweet Spot groups the original color and five complimentary colors.



74.0549, 68.8578, 103.9955



87.9905, 89.4012, 107.2263



71.0387, 75.4100, 105.4192



18.6751, 18.8990, 22.9135



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.



74.0549, 68.8578, 103.9955



70.4586, 63.6585, 103.1815



80.8410, 72.4164, 101.5913



17.9968, 17.8901, 22.7545



15.7734, 7.0420, 49.9625



1.6609, 0.7502, 4.8705



# Inverse Universe

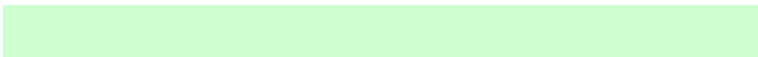
The Inverse Universe completely reimagines the original color for something new.



77.1780, 70.9513, 82.3024



74.1749, 66.1443, 77.6041



72.7573, 89.2594, 73.8920



18.3325, 18.1163, 20.3681



23.0704, 11.7175, 9.0213

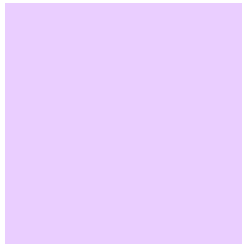


2.2997, 1.1623, 1.1596



# Previews

## White Background



This preview shows how the XYZ color 74.0530, 68.8550, 103.9951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

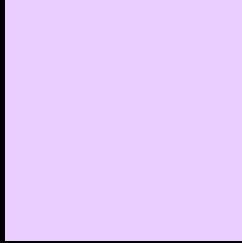
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0530, 68.8550, 103.9951 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 74.0530, 68.8550, 103.9951

## Background



This preview shows how black text looks on a background with the XYZ color 74.0530, 68.8550, 103.9951.



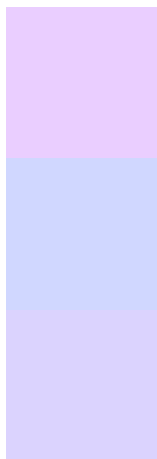
This preview shows how white text looks on a background with the XYZ color 74.0530, 68.8550,



# 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

74.0530, 68.8550, 103.9951

### Protanopia

68.3629, 69.2308, 104.3675

### Deuteranopia

70.3971, 68.8044, 103.3362



## Tritanopia

69.7925, 68.9576, 82.3047

# Trichromacy



## Original Color

74.0530, 68.8550, 103.9951

## Protanomaly

70.2088, 69.0587, 104.2370

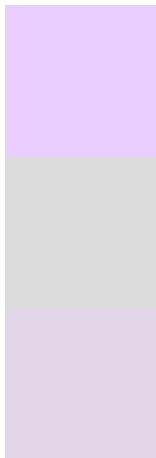
## Deuteranomaly

71.4303, 68.6040, 103.2430

## Tritanomaly

71.0415, 68.7043, 89.6377

# Monochromacy



## Original Color

74.0530, 68.8550, 103.9951

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

70.0598, 70.4916, 87.0045

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0530, 68.8550, 103.9951 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(234, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 206, 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(234, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 206, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0530, 68.8550, 103.9951 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(234, 206, 255) }
```



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

```
.border{ border-color:rgb(234, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(234, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 206,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0530, 68.8550, 103.9951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 206, 255) }
```

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

```
.background{ background-color: rgb(234,  
206, 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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