

# Converting Colors

XYZ(73.7719, 67.9999,  
103.8448)

Have a look what the booklet for  
XYZ(73.7719, 67.9999, 103.8448)  
contains.

<b>XYZ(73.9038, 68.0679, 103.8510)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.9038, 68.0679,  
103.8510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBCCFE
RGB	235, 204, 255
RGB Percent	92%, 80%, 100%
CMY	0.0784, 0.2000, 0.0000
CMYK	0.08, 0.20, 0.00, 0.00
HSL	276°, 100%, 90%
HSV	276°, 20%, 100%
XYZ	73.9038, 68.0679, 103.8510
YIQ	219.0830, 2.1050, 22.4330

# Conversions

## Conversions Part 2

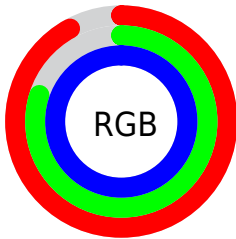
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 204, 255
Decimal	15453439
CIE Lab	86.04, 19.95, -20.94
CIE LCh	86, 28.919, 313.610
Yxy	68.0679, 0.3006, 0.2769
Android (android.graphics.Color)	4293643519 (0xFFEBCCFF)
YUV	219.0830, 17.7071, 13.9592
Hunter-Lab	82.5033, 15.5139, -16.8790

# Details

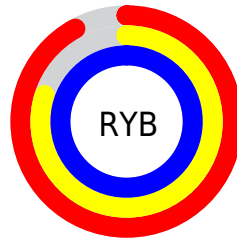
The XYZ color **73.9038, 68.0679, 103.8510** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.4012, 91.7277, 70.7558**, and the grayscale version is **67.2713, 70.7746, 77.0735**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6898, 35.4736, 58.1813** is the 20% darker color. If you saturate the color by 10%, you get **65.1230, 55.2701, 101.8436**, and if you desaturate by 10%, it is **83.8662, 82.9515, 106.1987**.

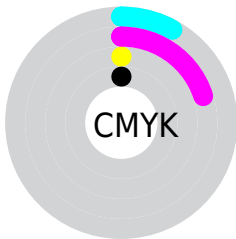
# Distribution



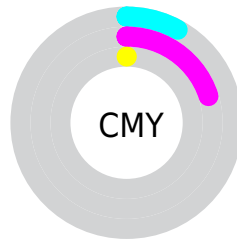
- Red (92%)
- Green (80%)
- Blue (100%)



- Red (92%)
- Yellow (80%)
- Blue (100%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9038, 68.0679, 103.8510 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 73.9038, 68.0679, 103.8510 by changing the saturation by 10% instead.



73.9038, 68.0679,  
103.8510

73.9038, 68.0679,  
103.8510

463.1967,  
453.7366, 593.8218

55.0063, 49.9530,  
78.8858

123.7557,  
116.4493, 168.5372

39.6406, 35.3760,  
58.2812

155.4407,  
147.4845, 209.0953

27.4414, 23.9527,  
41.6185

192.1191,  
183.5953, 255.6881

18.0433, 15.2985,  
28.4794

234.1560,  
225.1661, 308.7342

11.0810, 9.0292,  
18.4451

281.9168,  
272.5812, 368.6521

6.1890, 4.7602,  
11.0973

335.7670,

3.0021, 2.1073,

326.2250, 435.8603

6.0173

396.0719,  
386.4820, 510.7773

■ 1.1549, 0.6687,  
2.7867

■ 0.0703, 0.0000,  
0.9868

■ 73.9038, 68.0679,  
103.8510

■ 73.9038, 68.0679,  
103.8510

■ 65.1230, 55.2701,  
101.8436

■ 83.8662, 82.9515,  
106.1987

■ 57.4670, 44.4515,  
100.1589

95.0500, 100.0000,  
108.9000

■ 50.8821, 35.5090,  
98.7799

■ 45.3080, 28.3261,  
97.6872

■ 40.6774, 22.7733,  
96.8595

■ 36.9137, 18.7023,  
96.2721

■ 33.9259, 15.9366,  
95.8957

■ 31.5680, 14.1888,  
95.6826

■ 31.5675, 14.1885,  
95.6826

# Harmonies

## Analogous

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



67.7461, 68.0679, 115.6127



73.9038, 68.0679, 103.8510



77.7277, 68.0679, 84.9128

# Triad

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



73.9038, 68.0679, 103.8510



68.3646, 68.0679, 44.2905



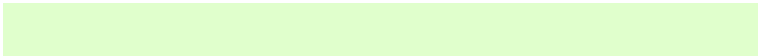
53.0692, 68.0679, 83.0514

# Complementary

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



73.9038, 68.0679, 103.8510



77.4012, 91.7277, 70.7558

# 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.



53.2097, 68.0679, 64.2726



73.9038, 68.0679, 103.8510



61.7398, 68.0679, 43.9657

# Square

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



73.9038, 68.0679, 103.8510



74.3832, 68.0679, 51.6559



56.2876, 68.0679, 50.6766



55.8895, 68.0679, 102.2890



# Rectangle

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



73.9038, 68.0679, 103.8510



78.2865, 68.0679, 71.8369



56.2876, 68.0679, 50.6766



52.7779, 68.0679, 76.4395

# Sweetspot

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



73.9057, 68.0707, 103.8515



88.1888, 89.5034, 107.2356



69.7174, 73.5864, 105.1368



18.7220, 18.9232, 22.9157



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.



73.9057, 68.0707, 103.8515



70.2523, 62.7035, 103.0080



80.0738, 71.3441, 99.9112



18.0627, 17.9241, 22.7576



16.6672, 7.5027, 50.0043



1.7456, 0.7938, 4.8745



# Inverse Universe

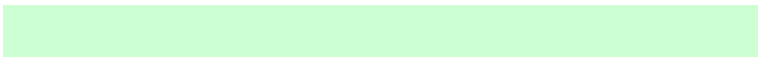
The Inverse Universe completely reimagines the original color for something new.



76.2891, 69.8302, 79.9810



73.1160, 64.8061, 74.8478



72.1849, 88.9667, 73.7573



18.3043, 18.1050, 20.2197



22.8188, 11.6168, 7.6962

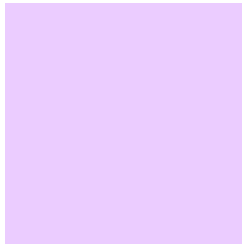


2.2736, 1.1518, 1.0222



# Previews

## White Background



This preview shows how the XYZ color 73.9038, 68.0679, 103.8510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

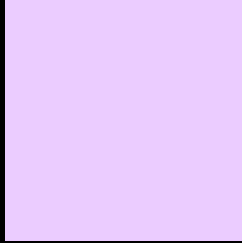
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9038, 68.0679, 103.8510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

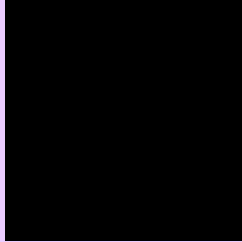
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.9038, 68.0679, 103.8510

## Background



This preview shows how black text looks on a background with the XYZ color 73.9038, 68.0679, 103.8510.



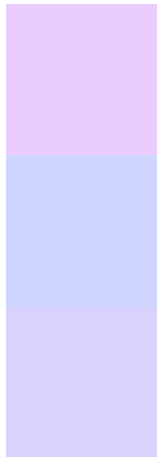
This preview shows how white text looks on a background with the XYZ color 73.9038, 68.0679,

103.8510.

# 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

73.9038, 68.0679, 103.8510

### Protanopia

67.5502, 68.4349, 104.2567

### Deuteranopia

69.8494, 68.1544, 103.2396



## Tritanopia

69.1611, 67.9149, 81.4152

# Trichromacy



## Original Color

73.9038, 68.0679, 103.8510

## Protanomaly

69.7119, 68.0649, 104.0714

## Deuteranomaly

71.1857, 68.1148, 103.1615

## Tritanomaly

70.8776, 67.8959, 89.4903

# Monochromacy



## Original Color

73.9038, 68.0679, 103.8510

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

69.6634, 69.9269, 86.1695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9038, 68.0679, 103.8510 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(235, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 204, 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(235, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 204, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9038, 68.0679, 103.8510 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(235, 204, 255) }
```



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

```
.border{ border-color:rgb(235, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 204,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9038, 68.0679, 103.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 204, 255) }
```

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

```
.background{ background-color: rgb(235,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor