

# Converting Colors

XYZ(74.6183, 69.0893,  
107.9168)

Have a look what the booklet for  
XYZ(74.6183, 69.0893, 107.9168)  
contains.

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# Color

**XYZ(73.7256, 68.6863,  
103.9798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9CEFF
RGB	233, 206, 255
RGB Percent	91%, 81%, 100%
CMY	0.0863, 0.1921, 0.0000
CMYK	0.09, 0.19, 0.00, 0.00
HSL	273°, 100%, 90%
HSV	273°, 19%, 100%
XYZ	73.7256, 68.6863, 103.9798
YIQ	219.6590, 0.3630, 20.9630

# Conversions

## Conversions Part 2

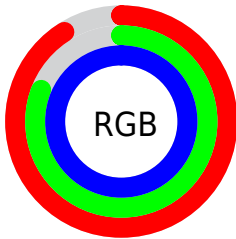
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 206, 255
Decimal	15322879
CIE <sub>Lab</sub>	86.35, 18.25, -20.49
CIE <sub>LCh</sub>	86, 27.437, 311.691
Yxy	68.6863, 0.2992, 0.2788
Android (android.graphics.Color)	4293512959 (0xFFE9CEFF)
YUV	219.6590, 17.4231, 11.7001
Hunter-Lab	82.8772, 13.7543, -16.3727

# Details

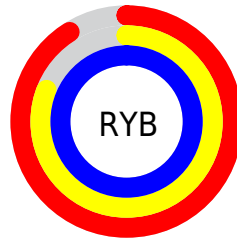
The XYZ color **73.7256, 68.6863, 103.9798** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.8971, 92.4710, 72.0862**, and the grayscale version is **67.6740, 71.1983, 77.5350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5527, 35.8808, 58.2671** is the 20% darker color. If you saturate the color by 10%, you get **64.4609, 55.5260, 101.9279**, and if you desaturate by 10%, it is **84.2325, 83.9690, 106.3758**.

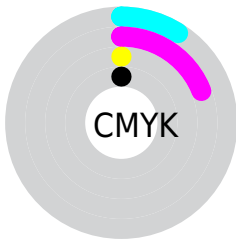
# Distribution



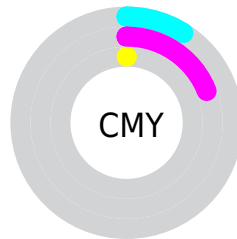
- Red (91%)
- Green (81%)
- Blue (100%)



- Red (91%)
- Yellow (81%)
- Blue (100%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7256, 68.6863, 103.9798 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 73.7256, 68.6863, 103.9798 by changing the saturation by 10% instead.



73.7256, 68.6863,  
103.9798

73.7256, 68.6863,  
103.9798

462.5907,  
455.9238, 594.2336

54.8600, 50.4563,  
78.9930

123.5043,  
117.3334, 168.7151

39.5230, 35.7761,  
58.3688

155.1482,  
148.5193, 209.3007

27.3494, 24.2613,  
41.6886

191.7821,  
184.7926, 255.9229

17.9737, 15.5276,  
28.5338

233.7715,  
226.5376, 309.0005

11.0307, 9.1905,  
18.4859

281.4817,  
274.1389, 368.9517

6.1549, 4.8656,  
11.1263

335.2780,

2.9811, 2.1686,

327.9807, 436.1953

6.0366

395.5259,  
388.4476, 511.1498

■ 1.1438, 0.7028,  
2.7982

■ 0.0613, 0.0000,  
0.9925

■ 73.7256, 68.6863,  
103.9798

■ 73.7256, 68.6863,  
103.9798

■ 64.4609, 55.5260,  
101.9279

■ 84.2325, 83.9690,  
106.3758

■ 56.3801, 44.3813,  
100.2026

95.0500, 100.0000,  
108.9000

■ 49.4286, 35.1489,  
98.7870

■ 43.5447, 27.7124,  
97.6617

■ 38.6599, 21.9426,  
96.8055

■ 34.6967, 17.6919,  
96.1939

■ 31.5637, 14.7857,  
95.7981

■ 29.1259, 12.9622,  
95.5746

■ 28.9511, 12.8397,  
95.5602

# Harmonies

## Analogous

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



67.7837, 68.6863, 114.4146



73.7256, 68.6863, 103.9798



77.5447, 68.6863, 86.2908

# Triad

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



73.7256, 68.6863, 103.9798



69.1861, 68.6863, 46.3170



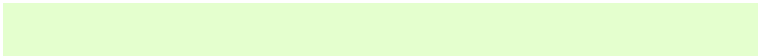
54.0678, 68.6863, 82.0814

# Complementary

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



73.7256, 68.6863, 103.9798



78.8971, 92.4710, 72.0862

# 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.



54.3894, 68.6863, 64.3552



73.7256, 68.6863, 103.9798



62.8471, 68.6863, 45.5637

# Square

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



73.7256, 68.6863, 103.9798



74.8093, 68.6863, 53.9021



57.5132, 68.6863, 51.6449



56.6041, 68.6863, 100.4722



# Rectangle

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



73.7256, 68.6863, 103.9798



78.2324, 68.6863, 73.7633



57.5132, 68.6863, 51.6449



53.8499, 68.6863, 75.8216

# Sweetspot

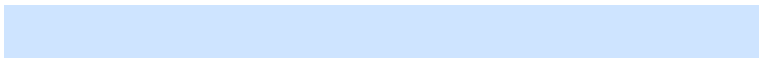
The Sweet Spot groups the original color and five complimentary colors.



73.7275, 68.6891, 103.9802



87.8795, 89.3440, 107.2211



71.2630, 75.8585, 105.4939



18.6489, 18.8855, 22.9123



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.



73.7275, 68.6891, 103.9802



70.0759, 63.4612, 103.1636



80.9706, 72.4684, 102.2735



17.9600, 17.8711, 22.7528



15.3021, 6.7990, 49.9404



1.6158, 0.7269, 4.8684



# Inverse Universe

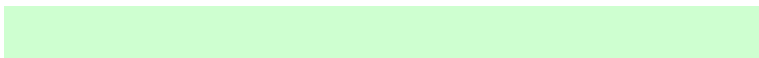
The Inverse Universe completely reimagines the original color for something new.



77.3166, 71.0068, 83.0318



74.3355, 66.2086, 78.4498



72.6563, 89.2191, 73.3600



18.3484, 18.1227, 20.4516



23.2232, 11.7786, 9.8259



2.3153, 1.1685, 1.2416



# Previews

## White Background



This preview shows how the XYZ color 73.7256, 68.6863, 103.9798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

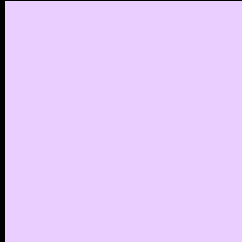
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7256, 68.6863, 103.9798 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 73.7256, 68.6863, 103.9798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.7256, 68.6863, 103.9798.



This preview shows how white text looks on a background with the XYZ color 73.7256, 68.6863,



# 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

73.7256, 68.6863, 103.9798

### Protanopia

68.1090, 68.7230, 104.2829

### Deuteranopia

70.3971, 68.8044, 103.3362



## Tritanopia

69.4725, 68.7926, 82.2897

# Trichromacy



## Original Color

73.7256, 68.6863, 103.9798

## Protanomaly

69.9595, 68.5602, 104.1539

## Deuteranomaly

71.4303, 68.6040, 103.2430

## Tritanomaly

70.7197, 68.5383, 89.6227

# Monochromacy



## Original Color

73.7256, 68.6863, 103.9798

## 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 73.7256, 68.6863, 103.9798 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(233, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 206, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7256, 68.6863, 103.9798 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(233, 206, 255) }
```



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

```
.border{ border-color:rgb(233, 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(233, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 206,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7256, 68.6863, 103.9798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 206, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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