

# Converting Colors

XYZ(73.6737, 68.6461,  
102.4076)

Have a look what the booklet for  
XYZ(73.6737, 68.6461, 102.4076)  
contains.

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# Color

**XYZ(73.7326, 68.7269,  
102.3080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EACEFD
RGB	234, 206, 253
RGB Percent	92%, 81%, 99%
CMY	0.0823, 0.1921, 0.0078
CMYK	0.08, 0.19, 0.00, 0.01
HSL	276°, 92%, 90%
HSV	276°, 19%, 99%
XYZ	73.7326, 68.7269, 102.3080
YIQ	219.7300, 1.6010, 20.5530

# Conversions

## Conversions Part 2

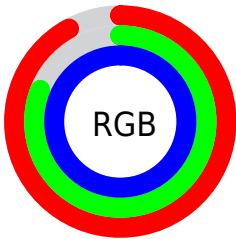
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 206, 253
Decimal	15388413
CIE <sub>Lab</sub>	86.37, 18.18, -19.39
CIE <sub>LCh</sub>	86, 26.579, 313.146
Yxy	68.7269, 0.3012, 0.2808
Android (android.graphics.Color)	4293578493 (0xFFEACEFD)
YUV	219.7300, 16.4021, 12.5148
Hunter-Lab	82.9017, 13.6796, -15.1379

# Details

The XYZ color **73.7326, 68.7269, 102.3080** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.3197, 90.7161, 71.8306**, and the grayscale version is **67.7297, 71.2569, 77.5988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5521, 35.9070, 57.0707** is the 20% darker color. If you saturate the color by 10%, you get **64.8642, 55.8310, 100.2873**, and if you desaturate by 10%, it is **83.7794, 83.6891, 104.6675**.

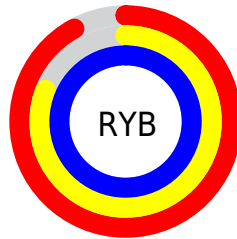
# Distribution



Red (92%)

Green (81%)

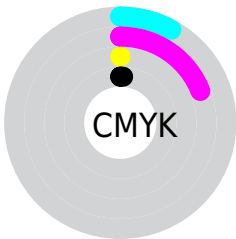
Blue (99%)



Red (92%)

Yellow (81%)

Blue (99%)

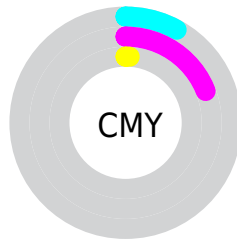


Cyan (8%)

Magenta (19%)

Yellow (0%)

Black (1%)



Cyan (8%)

Magenta (19%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7326, 68.7269, 102.3080 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 73.7326, 68.7269, 102.3080 by changing the saturation by 10% instead.



73.7326, 68.7269,  
102.3080

73.7326, 68.7269,  
102.3080

462.6145,  
456.0672, 588.8770

54.8657, 50.4893,  
77.6018

123.5142,  
117.3914, 166.4048

39.5276, 35.8024,  
57.2325

155.1597,  
148.5872, 206.6325

27.3530, 24.2816,  
40.7813

191.7953,  
184.8711, 252.8711

17.9765, 15.5426,  
27.8298

233.7866,  
226.6276, 305.5392

11.0327, 9.2011,  
17.9595

281.4988,  
274.2410, 365.0553

6.1563, 4.8726,  
10.7518

335.2973,

2.9819, 2.1727,

328.0959, 431.8379

5.7881

395.5474,  
388.5764, 506.3057

■ 1.1442, 0.7050,  
2.6500

■ 0.0616, 0.0000,  
0.9181

■ 73.7326, 68.7269,  
102.3080

■ 73.7326, 68.7269,  
102.3080

■ 64.8642, 55.8310,  
100.2873

■ 83.7794, 83.6891,  
104.6675

■ 57.1178, 44.8975,  
98.5852

94.5308, 99.7693,  
107.2047

■ 50.4415, 35.8262,  
97.1862

94.7298, 99.8719,  
107.2140

■ 44.7766, 28.5045,  
96.0715

■ 40.0577, 22.8072,  
95.2205

■ 36.2110, 18.5917,  
94.6096

■ 33.1494, 15.6898,  
94.2108

■ 30.7508, 13.8626,  
93.9846

■ 30.4402, 13.6444,  
93.9588

# Harmonies

## Analogous

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



68.0445, 68.7269, 112.8173



73.7326, 68.7269, 102.3080



77.2842, 68.7269, 85.0683

# Triad

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



73.7326, 68.7269, 102.3080



68.8056, 68.7269, 46.9158



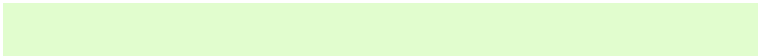
54.4887, 68.7269, 82.7870

# Complementary

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



73.7326, 68.7269, 102.3080



77.3197, 90.7161, 71.8306

# 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.



54.6641, 68.7269, 65.4515



73.7326, 68.7269, 102.3080



62.6748, 68.7269, 46.5022

# Square

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



73.7326, 68.7269, 102.3080



74.3198, 68.7269, 54.0117



57.5782, 68.7269, 52.7763



57.0830, 68.7269, 100.4140



# Rectangle

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



73.7326, 68.7269, 102.3080



77.8328, 68.7269, 72.9921



57.5782, 68.7269, 52.7763



54.2308, 68.7269, 76.7024

# Sweetspot

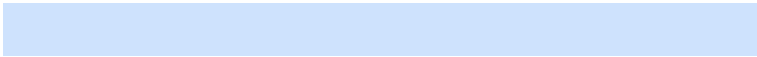
The Sweet Spot groups the original color and five complimentary colors.



73.7347, 68.7298, 102.3095



88.1227, 89.4694, 107.2325



70.2690, 74.3828, 103.5833



18.7064, 18.9151, 22.9150



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.



73.7347, 68.7298, 102.3095



71.8332, 65.2303, 103.4124



79.6932, 71.8729, 99.3646



18.0408, 17.9127, 22.7566



16.3621, 7.3455, 49.9900



1.7168, 0.7790, 4.8731



# Inverse Universe

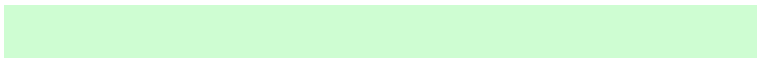
The Inverse Universe completely reimagines the original color for something new.



76.1723, 70.4645, 80.8237



74.7690, 67.3123, 77.8642



72.2038, 88.0232, 74.1062



18.3137, 18.1088, 20.2690



22.8996, 11.6491, 8.1217

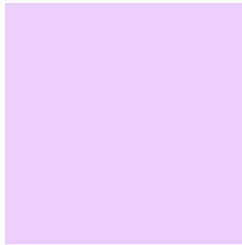


2.2821, 1.1552, 1.0667



# Previews

## White Background



This preview shows how the XYZ color 73.7326, 68.7269, 102.3080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

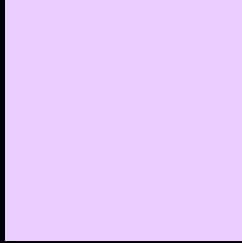
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7326, 68.7269, 102.3080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

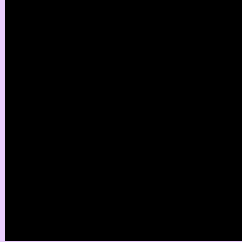
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.7326, 68.7269, 102.3080

## Background



This preview shows how black text looks on a background with the XYZ color 73.7326, 68.7269, 102.3080.



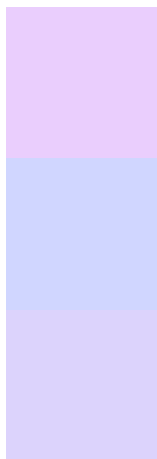
This preview shows how white text looks on a background with the XYZ color 73.7326, 68.7269,



# 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

73.7326, 68.7269, 102.3080

### Protanopia

68.1090, 68.7230, 104.2829

### Deuteranopia

70.3802, 68.8325, 101.6720



## Tritanopia

69.7925, 68.9576, 82.3047

# Trichromacy



## Original Color

73.7326, 68.7269, 102.3080

## Protanomaly

69.7989, 68.4960, 103.3082

## Deuteranomaly

71.4225, 68.6368, 101.5793

## Tritanomaly

70.8958, 68.6460, 88.8703

# Monochromacy



## Original Color

73.7326, 68.7269, 102.3080

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

69.9173, 70.4346, 86.2541

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7326, 68.7269, 102.3080 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(234, 206, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 206, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7326, 68.7269, 102.3080 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, 253) }
```



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

```
.border{ border-color:rgb(234, 206, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 206, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 206, 253);  
box-shadow:4px 4px 4px 4px rgb(234, 206,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7326, 68.7269, 102.3080 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, 253) }
```

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

```
.background{ background-color: rgb(234,  
206, 253) }
```

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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