

# Converting Colors

XYZ(73.0461, 64.4649,  
103.4201)

Have a look what the booklet for  
XYZ(73.0461, 64.4649, 103.4201)  
contains.

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# Color

**XYZ(73.1617, 64.6009,  
103.2209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFC3FF
RGB	239, 195, 255
RGB Percent	94%, 76%, 100%
CMY	0.0627, 0.2353, 0.0000
CMYK	0.06, 0.24, 0.00, 0.00
HSL	284°, 100%, 88%
HSV	284°, 24%, 100%
XYZ	73.1617, 64.6009, 103.2209
YIQ	214.9960, 6.9640, 27.9880

# Conversions

## Conversions Part 2

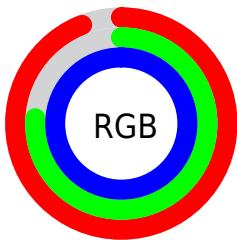
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">239, 195, 255</a>
Decimal	<a href="#">15713279</a>
CIELab	<a href="#">84.28, 26.00, -23.58</a>
CIElCh	<a href="#">84, 35.100, 317.796</a>
Yxy	<a href="#">64.6009, 0.3036, 0.2681</a>
Android (android.graphics.Color)	<a href="#">4293903359 (0xFFEFC3FF)</a>
YUV	<a href="#">214.9960, 19.7220, 21.0515</a>
Hunter-Lab	<a href="#">80.3747, 21.8254, -19.8807</a>

# Details

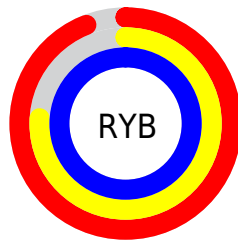
The XYZ color **73.1617, 64.6009, 103.2209** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.4758, 89.3097, 65.0514**, and the grayscale version is **64.4577, 67.8145, 73.8500**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **39.2464, 33.1942, 57.7647** is the 20% darker color. If you saturate the color by 10%, you get **65.6765, 52.9739, 101.3712**, and if you desaturate by 10%, it is **81.7125, 78.2290, 105.4007**.

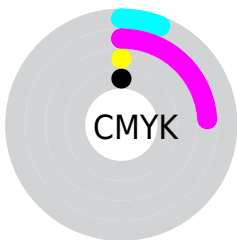
# Distribution



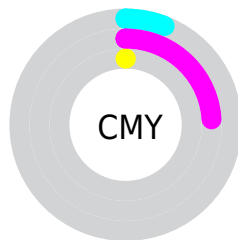
- Red (94%)
- Green (76%)
- Blue (100%)



- Red (94%)
- Yellow (76%)
- Blue (100%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1617, 64.6009, 103.2209 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 73.1617, 64.6009, 103.2209 by changing the saturation by 10% instead.



73.1617, 64.6009,  
103.2209

73.1617, 64.6009,  
103.2209

460.6702,  
441.3564, 591.8052

54.3970, 47.1375,  
78.3613

122.7086,  
111.4759, 167.6668

39.1511, 33.1444,  
57.8526

154.2216,  
141.6563, 208.0902

27.0586, 22.2371,  
41.2763

190.7148,  
176.8445, 254.5386

17.7540, 14.0312,  
28.2137

232.5534,  
217.4249, 307.4306

10.8721, 8.1424,  
18.2464

280.1029,  
263.7819, 367.1848

6.0476, 4.1862,  
10.9557

333.7286,

2.9150, 1.7783,

316.2999, 434.2195

5.9233

393.7959,  
375.3632, 508.9535

■ 1.1090, 0.4736,  
2.7305

■ 0.0326, 0.0000,  
0.9587

■ 73.1617, 64.6009,  
103.2209

■ 73.1617, 64.6009,  
103.2209

■ 65.6765, 52.9739,  
101.3712

■ 81.7125, 78.2290,  
105.4007

■ 59.2010, 43.2404,  
99.8337

■ 91.3704, 93.9426,  
107.9247

■ 53.6821, 35.2947,  
98.5909

95.0500, 100.0000,  
108.9000

■ 49.0594, 29.0174,  
97.6229

■ 45.2651, 24.2742,  
96.9074

■ 42.2206, 20.9097,  
96.4185

■ 39.8304, 18.7345,  
96.1246

■ 38.5442, 17.7851,  
96.0091

# Harmonies

## Analogous

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



66.0874, 64.6009, 119.5218



73.1617, 64.6009, 103.2209



77.2127, 64.6009, 79.7894

# Triad

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



73.1617, 64.6009, 103.2209



64.6178, 64.6009, 36.2267



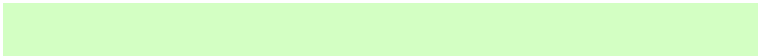
48.2315, 64.6009, 84.2618

# Complementary

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



73.1617, 64.6009, 103.2209



72.4758, 89.3097, 65.0514

# 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.



47.9106, 64.6009, 61.6667



73.1617, 64.6009, 103.2209



56.9420, 64.6009, 36.9263

# Square

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



73.1617, 64.6009, 103.2209



72.0079, 64.6009, 43.1385



50.9738, 64.6009, 45.3074



51.8908, 64.6009, 107.0849



# Rectangle

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



73.1617, 64.6009, 103.2209



77.4457, 64.6009, 64.6867



50.9738, 64.6009, 45.3074



47.7415, 64.6009, 76.3122

# Sweetspot

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



73.1635, 64.6036, 103.2213



87.8881, 88.2437, 107.0083



63.8522, 65.4132, 103.8684



18.6851, 18.6814, 22.8710



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.



73.1635, 64.6036, 103.2213



69.6866, 59.1612, 102.3541



76.6336, 66.6435, 92.0445



18.2924, 18.0425, 22.7684



20.2893, 9.3700, 50.1738



2.0791, 0.9658, 4.8901



# Inverse Universe

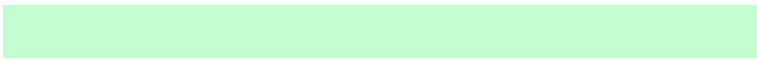
The Inverse Universe completely reimagines the original color for something new.



72.5145, 64.9958, 70.3536



69.0341, 59.6696, 64.1537



69.7761, 87.7264, 73.5795



18.2082, 18.0666, 19.7138



22.1463, 11.3478, 4.1548



2.1993, 1.1221, 0.6310



# Previews

## White Background



This preview shows how the XYZ color 73.1617, 64.6009, 103.2209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

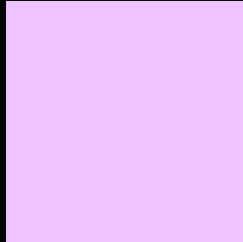
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1617, 64.6009, 103.2209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

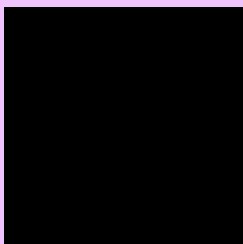
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.1617, 64.6009, 103.2209**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1617, 64.6009, 103.2209.



This preview shows how white text looks on a background with the XYZ color 73.1617, 64.6009,



# 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

73.1617, 64.6009, 103.2209

### Protanopia

64.4037, 64.9630, 103.7524

### Deuteranopia

66.3793, 64.9361, 101.9639



## Tritanopia

67.3797, 64.6267, 75.2526

# Trichromacy



## Original Color

73.1617, 64.6009, 103.2209

## Protanomaly

67.3744, 64.7019, 103.5454

## Deuteranomaly

68.8287, 64.7690, 102.6399

## Tritanomaly

69.1082, 64.2785, 84.3659

# Monochromacy



## Original Color

73.1617, 64.6009, 103.2209

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

67.5793, 66.6722, 84.1701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1617, 64.6009, 103.2209 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(239, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 195, 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(239, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 195, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1617, 64.6009, 103.2209 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(239, 195, 255) }
```



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

```
.border{ border-color:rgb(239, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 195,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1617, 64.6009, 103.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 195, 255) }
```

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

```
.background{ background-color: rgb(239,  
195, 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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