

# Converting Colors

XYZ(75.6391, 72.1075,  
104.5393)

Have a look what the booklet for  
XYZ(75.6391, 72.1075, 104.5393)  
contains.

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# **Color**

**XYZ(75.7759, 72.3009,  
104.5694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAD5FF
RGB	234, 213, 255
RGB Percent	92%, 84%, 100%
CMY	0.0823, 0.1647, 0.0000
CMYK	0.08, 0.16, 0.00, 0.00
HSL	270°, 100%, 92%
HSV	270°, 16%, 100%
XYZ	75.7759, 72.3009, 104.5694
YIQ	224.0670, -0.9660, 17.5140

# Conversions

## Conversions Part 2

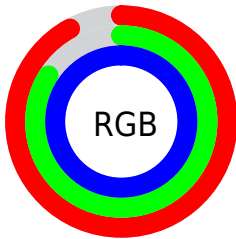
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 213, 255
Decimal	15390207
CIELab	88.11, 14.86, -17.82
CIELCh	88, 23.202, 309.832
Yxy	72.3009, 0.2999, 0.2862
Android (android.graphics.Color)	4293580287 (0xFFEAD5FF)
YUV	224.0670, 15.2500, 8.7112
Hunter-Lab	85.0299, 10.2710, -13.3936

# Details

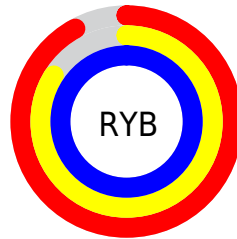
The XYZ color **75.7759, 72.3009, 104.5694** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.7037, 93.8173, 76.7566**, and the grayscale version is **70.7961, 74.4831, 81.1120**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7800, 37.9959, 58.6107** is the 20% darker color. If you saturate the color by 10%, you get **65.8231, 58.3871, 102.4083**, and if you desaturate by 10%, it is **87.0423, 88.3928, 107.0816**.

# Distribution



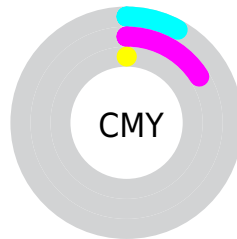
- Red (92%)
- Green (84%)
- Blue (100%)



- Red (92%)
- Yellow (84%)
- Blue (100%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7759, 72.3009, 104.5694 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 75.7759, 72.3009, 104.5694 by changing the saturation by 10% instead.



75.7759, 72.3009,  
104.5694

75.7759, 72.3009,  
104.5694

469.5364,  
468.5882, 596.1167

56.5452, 53.4045,  
79.4840

126.3921,  
122.4842, 169.5290

40.8789, 38.1258,  
58.7702

158.5083,  
154.5400, 210.2402

28.4117, 26.0803,  
42.0093

195.6504,  
191.7509, 256.9972

18.7783, 16.8837,  
28.7830

238.1837,  
234.5016, 310.2185

11.6132, 10.1516,  
18.6725

286.4736,  
283.1762, 370.3225

6.5512, 5.4996,  
11.2595

340.8855,

3.2269, 2.5433,

338.1593, 437.7278

6.1253

401.7846,  
399.8352, 512.8531

■ 1.2748, 0.8982,  
2.8514

■ 0.1643, 0.0000,  
1.0193

■ 75.7759, 72.3009,  
104.5694

■ 75.7759, 72.3009,  
104.5694

■ 65.8231, 58.3871,  
102.4083

■ 87.0423, 88.3928,  
107.0816

■ 57.1248, 46.5452,  
100.5810

95.0500, 100.0000,  
108.9000

■ 49.6257, 36.6733,  
99.0708

■ 43.2635, 28.6573,  
97.8589

■ 37.9701, 22.3708,  
96.9245

■ 33.6684, 17.6707,  
96.2440

■ 30.2695, 14.3901,  
95.7899

■ 27.6633, 12.3209,  
95.5279

■ 26.8765, 11.7702,  
95.4631

# Harmonies

## Analogous

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



70.5560, 72.3009, 112.7949



75.7759, 72.3009, 104.5694



79.2187, 72.3009, 89.7242

# Triad

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



75.7759, 72.3009, 104.5694



72.4607, 72.3009, 53.4047



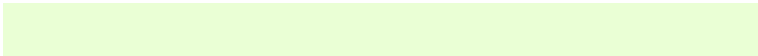
58.7433, 72.3009, 84.0519

# Complementary

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



75.7759, 72.3009, 104.5694



81.7037, 93.8173, 76.7566

# 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.



59.1922, 72.3009, 68.6606



75.7759, 72.3009, 104.5694



66.9158, 72.3009, 52.3133

# Square

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



75.7759, 72.3009, 104.5694



77.2345, 72.3009, 60.7443



62.1160, 72.3009, 57.5311



60.8552, 72.3009, 99.9403



# Rectangle

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



75.7759, 72.3009, 104.5694



79.9394, 72.3009, 78.8130



62.1160, 72.3009, 57.5311



58.6025, 72.3009, 78.6338

# Sweetspot

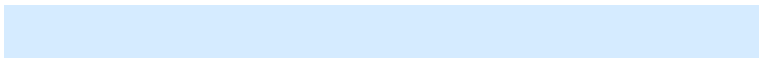
The Sweet Spot groups the original color and five complimentary colors.



75.7779, 72.3039, 104.5699



88.8099, 90.9440, 107.4809



75.1153, 80.6134, 106.2087



18.8272, 19.2032, 22.9642



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.



75.7779, 72.3039, 104.5699



72.1155, 67.1460, 103.7673



82.8285, 75.9386, 104.8998



17.8684, 17.8239, 22.7485



14.2157, 6.2390, 49.8896



1.5101, 0.6724, 4.8635



# Inverse Universe

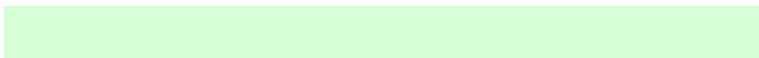
The Inverse Universe completely reimagines the original color for something new.



79.8873, 74.7918, 88.0701



77.0458, 70.1309, 83.9717



75.4165, 90.5762, 76.4623



18.3882, 18.1386, 20.6614



23.6430, 11.9465, 12.0365



2.3572, 1.1852, 1.4622



# Previews

## White Background



This preview shows how the XYZ color 75.7759, 72.3009, 104.5694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

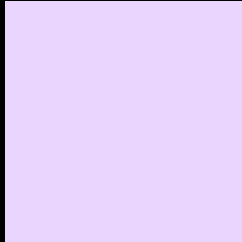
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7759, 72.3009, 104.5694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

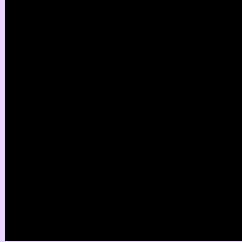
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.7759, 72.3009, 104.5694

## Background



This preview shows how black text looks on a background with the XYZ color 75.7759, 72.3009, 104.5694.



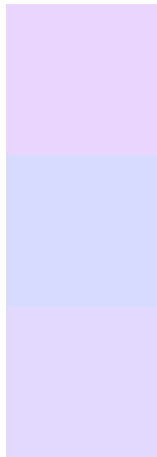
This preview shows how white text looks on a background with the XYZ color 75.7759, 72.3009,



# 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

75.7759, 72.3009, 104.5694

### Protanopia

71.1131, 72.1792, 104.7917

### Deuteranopia

74.1238, 72.5984, 103.8721



## Tritanopia

72.6191, 72.5551, 88.0190

# Trichromacy



## Original Color

75.7759, 72.3009, 104.5694

## Protanomaly

72.6816, 72.2179, 104.7164

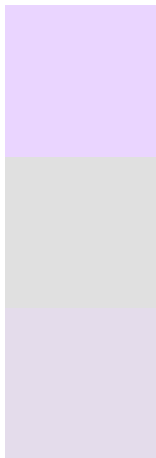
## Deuteranomaly

74.8230, 72.5796, 103.8316

## Tritanomaly

73.8616, 72.6783, 94.1398

# Monochromacy



## Original Color

75.7759, 72.3009, 104.5694

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

72.5835, 73.6785, 88.9931

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7759, 72.3009, 104.5694 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 213, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7759, 72.3009, 104.5694 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, 213, 255) }
```



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

```
.border{ border-color:rgb(234, 213, 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, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 213,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7759, 72.3009, 104.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 213, 255) }
```

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

```
.background{ background-color: rgb(234,  
213, 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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