

# Converting Colors

XYZ(74.5556, 75.1764,  
103.0115)

Have a look what the booklet for  
XYZ(74.5556, 75.1764, 103.0115)  
contains.

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# **Color**

**XYZ(74.4324, 75.1181,  
102.6717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0DEFC
RGB	224, 222, 252
RGB Percent	88%, 87%, 99%
CMY	0.1216, 0.1294, 0.0118
CMYK	0.11, 0.12, 0.00, 0.01
HSL	244°, 83%, 93%
HSV	244°, 12%, 99%
XYZ	74.4324, 75.1181, 102.6717
YIQ	226.0180, -8.4380, 9.7540

# Conversions

## Conversions Part 2

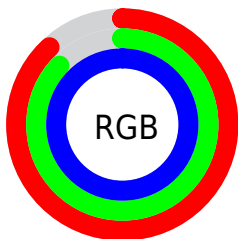
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 222, 252
Decimal	14737148
CIE Lab	89.45, 6.35, -14.31
CIE LCh	89, 15.660, 293.925
Yxy	75.1181, 0.2951, 0.2978
Android (android.graphics.Color)	4292927228 (0xFFE0DEFC)
YUV	226.0180, 12.8091, -1.7698
Hunter-Lab	86.6707, 1.6213, -9.5665

# Details

The XYZ color **74.4324, 75.1181, 102.6717** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.4223, 95.2207, 82.8826**, and the grayscale version is **72.2183, 75.9793, 82.7415**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0312, 40.0126, 57.2431** is the 20% darker color. If you saturate the color by 10%, you get **61.4406, 59.2178, 100.2886**, and if you desaturate by 10%, it is **89.4375, 93.5451, 105.4388**.

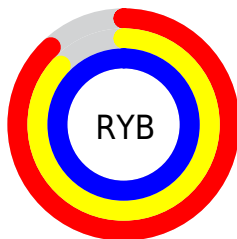
# Distribution



Red (88%)

Green (87%)

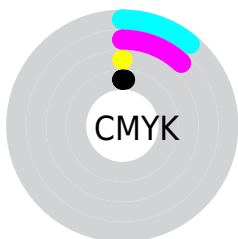
Blue (99%)



Red (88%)

Yellow (87%)

Blue (99%)

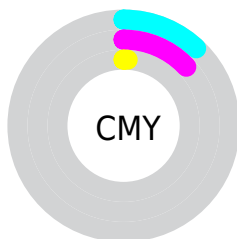


Cyan (11%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (12%)

Magenta (13%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4324, 75.1181, 102.6717 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 74.4324, 75.1181, 102.6717 by changing the saturation by 10% instead.



■ 74.4324, 75.1181,  
102.6717

■ 74.4324, 75.1181,  
102.6717

464.9917,  
478.3234, 590.0445

■ 55.4405, 55.7096,  
77.9044

124.5008,  
126.4795, 166.9077

■ 39.9898, 39.9702,  
57.4794

156.3080,  
159.2013, 207.2134

■ 27.7148, 27.5153,  
40.9784

193.1178,  
197.1296, 253.5357

■ 18.2501, 17.9606,  
27.9826

235.2954,  
240.6489, 306.2931

■ 11.2305, 10.9217,  
18.0736

283.2063,  
290.1435, 365.9042

■ 6.2905, 6.0142,  
10.8329

337.2157,

■ 3.0649, 2.8537,

345.9979, 432.7874

5.8418

397.6890,  
408.5964, 507.3613

■ 1.1882, 1.0558,  
2.6819

■ 0.0970, 0.0000,  
0.9343

■ 74.4324, 75.1181,  
102.6717

■ 74.4324, 75.1181,  
102.6717

■ 61.4406, 59.2178,  
100.2886

■ 89.4375, 93.5451,  
105.4388

■ 50.3700, 45.7253,  
98.2677

94.5709, 99.8084,  
106.3772

■ 41.1314, 34.5258,  
96.5929

■ 33.6256, 25.4918,  
95.2448

■ 27.7445, 18.4830,  
94.2019

■ 23.3673, 13.3430,  
93.4405

■ 20.3567, 9.8919,  
92.9331

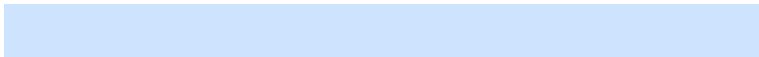
■ 18.5496, 7.9149,  
92.6467

■ 17.7981, 7.1455,  
92.5378

# Harmonies

## Analogous

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



70.6193, 75.1181, 104.6595



74.4324, 75.1181, 102.6717



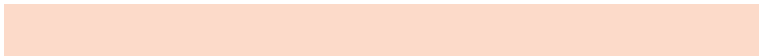
77.5300, 75.1181, 94.8785

# Triad

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



74.4324, 75.1181, 102.6717



75.8319, 75.1181, 65.8696



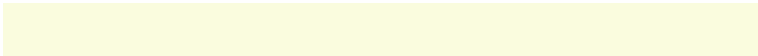
64.3075, 75.1181, 79.5743

# Complementary

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



74.4324, 75.1181, 102.6717



87.4223, 95.2207, 82.8826

# 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.



65.5972, 75.1181, 69.9657



74.4324, 75.1181, 102.6717



72.1814, 75.1181, 62.5225

# Square

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



74.4324, 75.1181, 102.6717



78.3581, 75.1181, 73.5154



68.4462, 75.1181, 63.9523



64.8618, 75.1181, 90.6651



# Rectangle

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



74.4324, 75.1181, 102.6717



78.7263, 75.1181, 87.7840



68.4462, 75.1181, 63.9523



64.5382, 75.1181, 76.0769

# Sweetspot

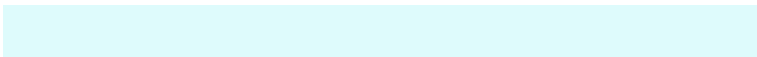
The Sweet Spot groups the original color and five complimentary colors.



74.4347, 75.1212, 102.6734



88.4655, 91.9026, 107.6841



82.0384, 91.2421, 105.3843



18.6784, 19.3553, 23.0014



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.



74.4347, 75.1212, 102.6734



73.4851, 73.5183, 104.9251



79.1226, 77.5380, 102.8928



16.3900, 16.6982, 21.7445



9.3124, 3.7434, 48.2053



0.8987, 0.3654, 4.4663



# Inverse Universe

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



83.5240, 79.8434, 101.4552



84.3195, 79.1476, 103.4471



82.4238, 92.6439, 82.6487



17.9402, 17.5034, 21.5409



28.7620, 13.9205, 42.3166



2.6785, 1.2951, 3.9962



# Previews

## White Background



This preview shows how the XYZ color 74.4324, 75.1181, 102.6717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

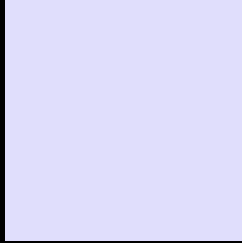
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.4324, 75.1181, 102.6717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

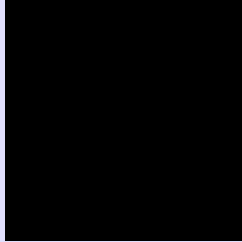
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.4324, 75.1181, 102.6717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4324, 75.1181, 102.6717.



This preview shows how white text looks on a background with the XYZ color 74.4324, 75.1181,



# 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

74.4324, 75.1181, 102.6717

### Protanopia

73.6325, 75.0828, 103.5401

### Deuteranopia

76.6654, 75.0785, 103.3794



## **Tritanopia**

72.6570, 75.1918, 93.9031

# Trichromacy



## Original Color

74.4324, 75.1181, 102.6717

## Protanomaly

73.9361, 75.2394, 103.5543

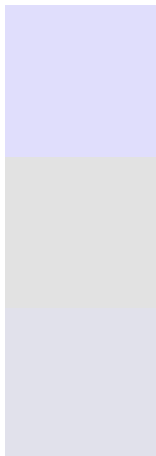
## Deuteranomaly

75.9559, 75.1012, 103.4212

## Tritanomaly

73.3005, 75.0559, 97.0101

# Monochromacy



## Original Color

74.4324, 75.1181, 102.6717

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.9719, 75.8561, 89.3929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4324, 75.1181, 102.6717 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(224, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(224, 222, 252)  
}
```

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(224, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 222, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4324, 75.1181, 102.6717 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(224, 222, 252) }
```



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

```
.border{ border-color:rgb(224, 222, 252) }
```

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

Here you see how a box with a 4 pixel rgb(224, 222, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(224, 222,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4324, 75.1181, 102.6717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 222, 252) }
```

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

```
.background{ background-color: rgb(224,  
222, 252) }
```

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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