

# Converting Colors

XYZ(80.1712, 76.3034,  
130.3002)

Have a look what the booklet for  
XYZ(80.1712, 76.3034, 130.3002)  
contains.

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# Color

**XYZ(75.3764, 74.3770,  
104.9912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DBFF
RGB	228, 219, 255
RGB Percent	89%, 86%, 100%
CMY	0.1059, 0.1412, 0.0000
CMYK	0.11, 0.14, 0.00, 0.00
HSL	255°, 100%, 93%
HSV	255°, 14%, 100%
XYZ	75.3764, 74.3770, 104.9912
YIQ	225.7950, -6.1920, 13.1040

# Conversions

## Conversions Part 2

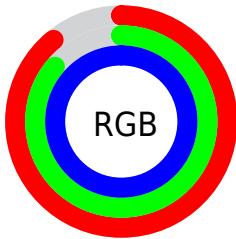
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 219, 255
Decimal	14998527
CIE Lab	89.10, 9.79, -16.38
CIE LCh	89, 19.084, 300.867
Yxy	74.3770, 0.2959, 0.2920
Android (android.graphics.Color)	4293188607 (0xFFE4DBFF)
YUV	225.7950, 14.3981, 1.9338
Hunter-Lab	86.2421, 5.0870, -11.8102

# Details

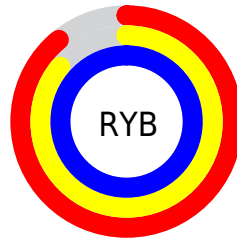
The XYZ color **75.3764, 74.3770, 104.9912** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.5540, 96.2281, 81.0334**, and the grayscale version is **72.0450, 75.7969, 82.5429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4818, 39.3988, 58.8972** is the 20% darker color. If you saturate the color by 10%, you get **63.4912, 59.1209, 102.6729**, and if you desaturate by 10%, it is **88.9559, 92.0233, 107.6815**.

# Distribution



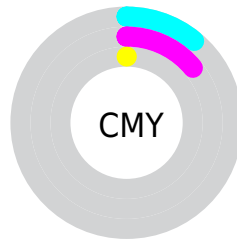
- Red (89%)
- Green (86%)
- Blue (100%)



- Red (89%)
- Yellow (86%)
- Blue (100%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3764, 74.3770, 104.9912 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 75.3764, 74.3770, 104.9912 by changing the saturation by 10% instead.



75.3764, 74.3770,  
104.9912

75.3764, 74.3770,  
104.9912

468.1876,  
475.7735, 597.4619

56.2166, 55.1027,  
79.8354

125.8301,  
125.4301, 170.1110

40.6143, 39.4839,  
59.0575

157.8547,  
157.9776, 210.9120

28.2041, 27.1364,  
42.2391

194.8982,  
195.7183, 257.7651

18.6208, 17.6757,  
28.9616

237.3260,  
239.0366, 311.0890

11.4990, 10.7174,  
18.8064

285.5035,  
288.3169, 371.3020

6.4733, 5.8771,  
11.3551

339.7960,

3.1783, 2.7705,

343.9435, 438.8228

6.1890

400.5689,  
406.3009, 514.0700

■ 1.2487, 1.0131,  
2.8897

■ 0.1443, 0.0000,  
1.0386

■ 75.3764, 74.3770,  
104.9912

■ 75.3764, 74.3770,  
104.9912

■ 63.4912, 59.1209,  
102.6729

■ 88.9559, 92.0233,  
107.6815

■ 53.2263, 46.1421,  
100.7087

95.0500, 100.0000,  
108.9000

■ 44.5110, 35.3323,  
99.0816

■ 37.2668, 26.5707,  
97.7722

■ 31.4082, 19.7243,  
96.7595

■ 26.8401, 14.6440,  
96.0197

■ 23.4542, 11.1578,  
95.5252

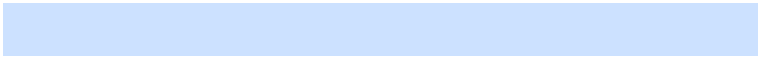
■ 21.1219, 9.0573,  
95.2427

■ 20.1473, 8.3012,  
95.1482

# Harmonies

## Analogous

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



70.8284, 74.3770, 109.3556



75.3764, 74.3770, 104.9912



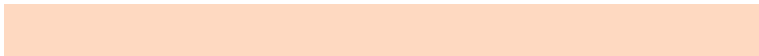
78.7875, 74.3770, 94.0898

# Triad

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



75.3764, 74.3770, 104.9912



75.1323, 74.3770, 60.6275



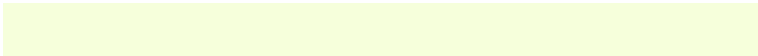
62.1312, 74.3770, 81.3716

# Complementary

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



75.3764, 74.3770, 104.9912



86.5540, 96.2281, 81.0334

# Split Complementary

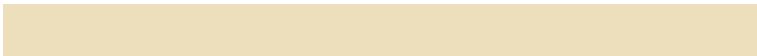
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.1730, 74.3770, 69.1553



75.3764, 74.3770, 104.9912



70.5580, 74.3770, 58.0001

# Square

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



75.3764, 74.3770, 104.9912



78.6423, 74.3770, 68.5535



66.2079, 74.3770, 60.9473



63.2985, 74.3770, 94.8328



# Rectangle

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



75.3764, 74.3770, 104.9912



79.8857, 74.3770, 85.1134



66.2079, 74.3770, 60.9473



62.2342, 74.3770, 76.9902

# Sweetspot

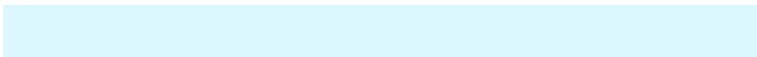
The Sweet Spot groups the original color and five complimentary colors.



75.3784, 74.3800, 104.9917



89.1231, 92.2416, 107.7149



80.4039, 88.5587, 107.4635



18.8442, 19.4407, 23.0092



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.



75.3784, 74.3800, 104.9917



71.7792, 69.7385, 104.2855



81.1792, 77.3705, 105.2631



17.4283, 17.5970, 22.7279



10.6412, 4.3962, 49.7223



1.1309, 0.4769, 4.8457



# Inverse Universe

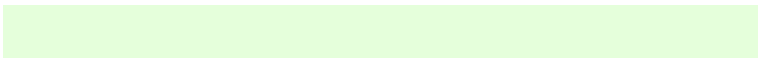
The Inverse Universe completely reimagines the original color for something new.



83.2079, 78.5797, 97.9731



81.0502, 74.7138, 95.8685



80.7337, 93.2276, 80.7610



18.5872, 18.2182, 21.7096



26.5406, 13.1056, 27.2952

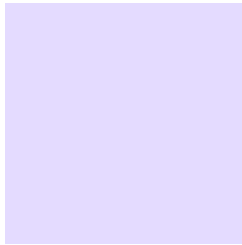


2.6278, 1.2935, 2.8876



# Previews

## White Background



This preview shows how the XYZ color 75.3764, 74.3770, 104.9912 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

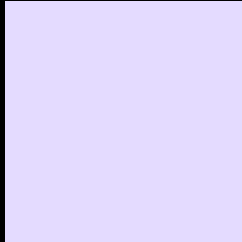
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3764, 74.3770, 104.9912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

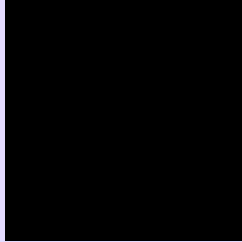
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.3764, 74.3770, 104.9912

## Background



This preview shows how black text looks on a background with the XYZ color 75.3764, 74.3770, 104.9912.



This preview shows how white text looks on a background with the XYZ color 75.3764, 74.3770,



# 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

75.3764, 74.3770, 104.9912

### Protanopia

73.0847, 74.3680, 105.1102

### Deuteranopia

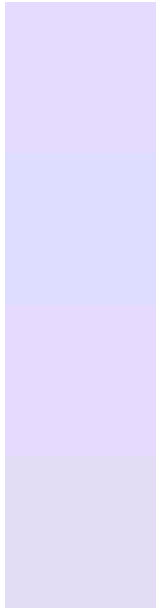
76.0764, 74.3517, 104.9494



## Tritanopia

72.7526, 74.4821, 92.2034

# Trichromacy



## Original Color

75.3764, 74.3770, 104.9912

## Protanomaly

74.0307, 74.4625, 105.0786

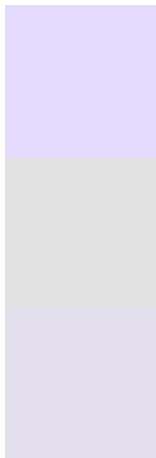
## Deuteranomaly

75.7545, 74.1858, 104.9343

## Tritanomaly

73.7019, 74.4742, 96.8767

# Monochromacy



## Original Color

75.3764, 74.3770, 104.9912

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.3523, 75.2207, 90.7737

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3764, 74.3770, 104.9912 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(228, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 219, 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(228, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 219, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3764, 74.3770, 104.9912 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(228, 219, 255) }
```



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

```
.border{ border-color:rgb(228, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 219,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3764, 74.3770, 104.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 219, 255) }
```

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

```
.background{ background-color: rgb(228,  
219, 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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