

# Converting Colors

XYZ(79.9294, 75.7315,  
126.3193)

Have a look what the booklet for  
XYZ(79.9294, 75.7315, 126.3193)  
contains.

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# **Color**

**XYZ(76.0764, 74.3517,  
104.9494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7DAFF
RGB	231, 218, 255
RGB Percent	91%, 85%, 100%
CMY	0.0941, 0.1451, 0.0000
CMYK	0.09, 0.15, 0.00, 0.00
HSL	261°, 100%, 93%
HSV	261°, 15%, 100%
XYZ	76.0764, 74.3517, 104.9494
YIQ	226.1050, -4.1290, 14.2630

# Conversions

## Conversions Part 2

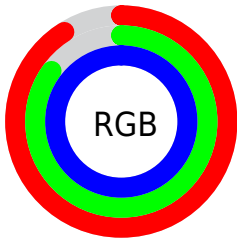
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 218, 255
Decimal	15194879
CIE Lab	89.09, 11.27, -16.37
CIE LCh	89, 19.879, 304.538
Yxy	74.3517, 0.2979, 0.2911
Android (android.graphics.Color)	4293384959 (0xFFE7DAFF)
YUV	226.1050, 14.2452, 4.2929
Hunter-Lab	86.2274, 6.5883, -11.8040

# Details

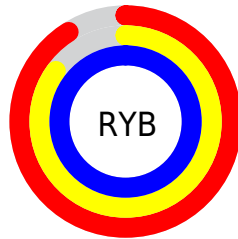
The XYZ color **76.0764, 74.3517, 104.9494** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.0345, 95.4600, 80.2770**, and the grayscale version is **72.2688, 76.0324, 82.7993**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9694, 39.3856, 58.8689** is the 20% darker color. If you saturate the color by 10%, you get **64.8770, 59.5071, 102.6744**, and if you desaturate by 10%, it is **88.8017, 91.4971, 107.5881**.

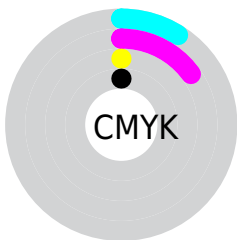
# Distribution



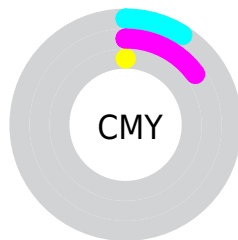
- Red (91%)
- Green (85%)
- Blue (100%)



- Red (91%)
- Yellow (85%)
- Blue (100%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0764, 74.3517, 104.9494 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 76.0764, 74.3517, 104.9494 by changing the saturation by 10% instead.



76.0764, 74.3517,  
104.9494

76.0764, 74.3517,  
104.9494

470.5496,  
475.6863, 597.3287

56.7924, 55.0819,  
79.8005

126.8147,  
125.3942, 170.0533

41.0781, 39.4673,  
59.0290

158.9997,  
157.9358, 210.8454

28.5681, 27.1235,  
42.2163

196.2158,  
195.6701, 257.6891

18.8969, 17.6660,  
28.9439

238.8283,  
238.9815, 311.0027

11.6994, 10.7104,  
18.7932

287.2026,  
288.2545, 371.2050

6.6101, 5.8725,  
11.3456

341.7040,

3.2636, 2.7677,

343.8733, 438.7144

6.1827

402.6978,  
406.2225, 513.9494

■ 1.2947, 1.0117,  
2.8859

■ 0.1792, 0.0000,  
1.0367

■ 76.0764, 74.3517,  
104.9494

■ 76.0764, 74.3517,  
104.9494

■ 64.8770, 59.5071,  
102.6744

■ 88.8017, 91.4971,  
107.5881

■ 55.1371, 46.8541,  
100.7455

95.0500, 100.0000,  
108.9000

■ 46.7944, 36.2886,  
99.1458

■ 39.7791, 27.6938,  
97.8566

■ 34.0152, 20.9413,  
96.8570

■ 29.4179, 15.8869,  
96.1237

■ 25.8905, 12.3637,  
95.6296

■ 23.3169, 10.1684,  
95.3415

■ 22.2264, 9.3730,  
95.2455

# Harmonies

## Analogous

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



71.4078, 74.3517, 110.5299



76.0764, 74.3517, 104.9494



79.4067, 74.3517, 92.9604

# Triad

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



76.0764, 74.3517, 104.9494



74.7448, 74.3517, 59.2028



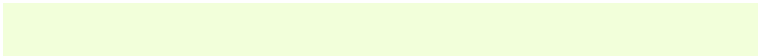
61.7940, 74.3517, 83.0832

# Complementary

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



76.0764, 74.3517, 104.9494



85.0345, 95.4600, 80.2770

# Split Complementary

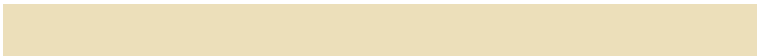
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.5971, 74.3517, 70.0329



76.0764, 74.3517, 104.9494



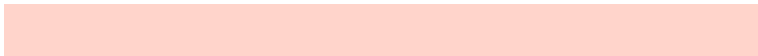
69.9354, 74.3517, 57.1931

# Square

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



76.0764, 74.3517, 104.9494



78.6136, 74.3517, 66.7694



65.5242, 74.3517, 60.9308



63.2786, 74.3517, 97.0228



# Rectangle

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



76.0764, 74.3517, 104.9494



80.3414, 74.3517, 83.5190



65.5242, 74.3517, 60.9308



61.8060, 74.3517, 78.4466

# Sweetspot

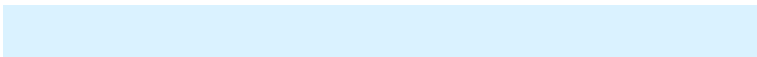
The Sweet Spot groups the original color and five complimentary colors.



76.0784, 74.3547, 104.9499



89.4894, 92.4305, 107.7320



78.7325, 85.6613, 106.9924



18.9367, 19.4884, 23.0135



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.



76.0784, 74.3547, 104.9499



73.1467, 70.4435, 104.3495



82.3505, 77.5881, 105.2434



17.6050, 17.6881, 22.7362



11.7593, 4.9726, 49.7746



1.2580, 0.5424, 4.8517



# Inverse Universe

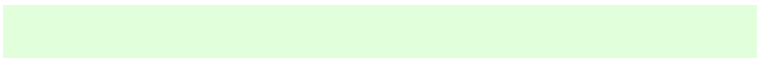
The Inverse Universe completely reimagines the original color for something new.



82.3402, 77.8164, 94.6870



80.3901, 74.4498, 92.3925



79.0181, 92.3584, 79.9954



18.5058, 18.1856, 21.2805



25.1907, 12.5656, 20.1864



2.5046, 1.2442, 2.2384



# Previews

## White Background



This preview shows how the XYZ color 76.0764, 74.3517, 104.9494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

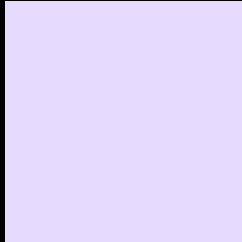
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0764, 74.3517, 104.9494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

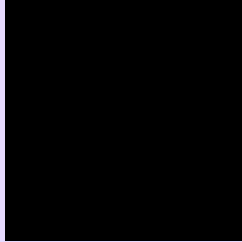
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.0764, 74.3517, 104.9494

## Background



This preview shows how black text looks on a background with the XYZ color 76.0764, 74.3517, 104.9494.



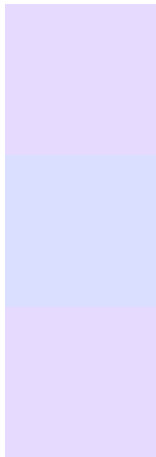
This preview shows how white text looks on a background with the XYZ color 76.0764, 74.3517,



# 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

76.0764, 74.3517, 104.9494

### Protanopia

73.0847, 74.3680, 105.1102

### Deuteranopia

76.0764, 74.3517, 104.9494



## Tritanopia

73.2840, 74.3799, 91.3832

# Trichromacy



## Original Color

76.0764, 74.3517, 104.9494

## Protanomaly

74.3379, 74.6209, 105.0930

## Deuteranomaly

76.0764, 74.3517, 104.9494

## Tritanomaly

74.2354, 74.3761, 96.0313

# Monochromacy



## Original Color

76.0764, 74.3517, 104.9494

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.6686, 75.3838, 90.7885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0764, 74.3517, 104.9494 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(231, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 218, 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(231, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0764, 74.3517, 104.9494 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(231, 218, 255) }
```



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

```
.border{ border-color:rgb(231, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0764, 74.3517, 104.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 218, 255) }
```

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

```
.background{ background-color: rgb(231,  
218, 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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