

# Converting Colors

XYZ(110.6379, 79.2025,  
292.0204)

Have a look what the booklet for  
XYZ(110.6379, 79.2025, 292.0204)  
contains.

<b>XYZ(74.7762, 64.7724, 103.1689)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.7762, 64.7724,  
103.1689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5C1FF
RGB	245, 193, 255
RGB Percent	96%, 76%, 100%
CMY	0.0392, 0.2431, 0.0000
CMYK	0.04, 0.24, 0.00, 0.00
HSL	290°, 100%, 88%
HSV	290°, 24%, 100%
XYZ	74.7762, 64.7724, 103.1689
YIQ	215.6160, 11.0900, 30.3060

# Conversions

## Conversions Part 2

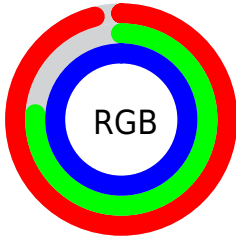
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 193, 255
Decimal	16105983
CIE Lab	84.37, 28.96, -23.39
CIE LCh	84, 37.231, 321.074
Yxy	64.7724, 0.3081, 0.2669
Android (android.graphics.Color)	4294296063 (0xFFFF5C1FF)
YUV	215.6160, 19.4163, 25.7698
Hunter-Lab	80.4813, 25.0043, -19.6669

# Details

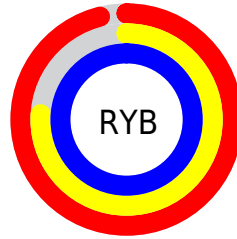
The XYZ color **74.7762, 64.7724, 103.1689** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.0157, 88.0675, 63.7637**, and the grayscale version is **64.8777, 68.2564, 74.3312**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **40.1647, 33.2338, 57.7239** is the 20% darker color. If you saturate the color by 10%, you get **68.1994, 53.7243, 101.3831**, and if you desaturate by 10%, it is **82.3604, 77.7861, 105.2811**.

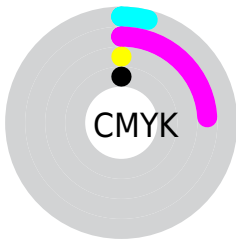
# Distribution



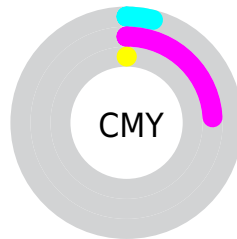
- Red (96%)
- Green (76%)
- Blue (100%)



- Red (96%)
- Yellow (76%)
- Blue (100%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7762, 64.7724, 103.1689 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 74.7762, 64.7724, 103.1689 by changing the saturation by 10% instead.



74.7762, 64.7724,  
103.1689

74.7762, 64.7724,  
103.1689

466.1570,  
441.9736, 591.6386

55.7231, 47.2765,  
78.3181

124.9851,  
111.7226, 167.5949

40.2171, 33.2543,  
57.8173

156.8716,  
141.9457, 208.0072

27.8928, 22.3214,  
41.2481

193.7667,  
177.1800, 254.4437

18.3849, 14.0932,  
28.1918

236.0356,  
217.8100, 307.3230

11.3280, 8.1855,  
18.2300

284.0437,  
264.2199, 367.0636

6.3568, 4.2139,  
10.9441

338.1564,

3.1060, 1.7939,

316.7942, 434.0840

5.9156

398.7391,  
375.9173, 508.8029

■ 1.2100, 0.4834,  
2.7258

■ 0.1143, 0.0000,  
0.9564

■ 74.7762, 64.7724,  
103.1689

■ 74.7762, 64.7724,  
103.1689

■ 68.1994, 53.7243,  
101.3831

■ 82.3604, 77.7861,  
105.2811

■ 62.5745, 44.5338,  
99.9056

■ 90.9929, 92.8498,  
107.7337

■ 57.8487, 37.0949,  
98.7188

95.0500, 100.0000,  
108.9000

■ 53.9620, 31.2876,  
97.8027

■ 50.8465, 26.9766,  
97.1348

■ 48.4234, 24.0048,  
96.6889

■ 46.5964, 22.1796,  
96.4329

■ 45.7454, 21.4975,  
96.3461

# Harmonies

## Analogous

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



67.4583, 64.7724, 122.1018



74.7762, 64.7724, 103.1689



78.6395, 64.7724, 77.8275

# Triad

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



74.7762, 64.7724, 103.1689



64.0635, 64.7724, 34.4368



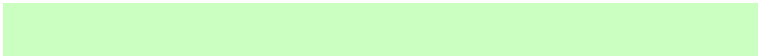
47.8916, 64.7724, 88.1937

# Complementary

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



74.7762, 64.7724, 103.1689



70.0157, 88.0675, 63.7637

# 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.



47.1590, 64.7724, 63.6963



74.7762, 64.7724, 103.1689



56.0238, 64.7724, 36.0061

# Square

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



74.7762, 64.7724, 103.1689



72.1010, 64.7724, 40.7089



50.0081, 64.7724, 45.6164



52.1075, 64.7724, 112.1986



# Rectangle

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



74.7762, 64.7724, 103.1689



78.5177, 64.7724, 62.1387



50.0081, 64.7724, 45.6164



47.2457, 64.7724, 79.6363

# Sweetspot

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



74.7780, 64.7751, 103.1694



88.5665, 88.5934, 107.0400



61.4795, 61.4297, 103.2245



18.8426, 18.7626, 22.8784



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.



74.7780, 64.7751, 103.1694



71.5717, 59.3559, 102.2923



75.2106, 65.3621, 86.7467



18.4881, 18.1434, 22.7775



24.0102, 11.2882, 50.3479



2.4113, 1.1370, 4.9056



# Inverse Universe

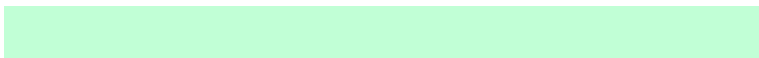
The Inverse Universe completely reimagines the original color for something new.



71.0910, 63.7142, 65.0531



67.3970, 58.1773, 58.1152



69.8492, 87.6964, 76.6434



18.1288, 18.0348, 19.2955



21.7940, 11.2069, 2.3000



2.1545, 1.1042, 0.3948



# Previews

## White Background



This preview shows how the XYZ color 74.7762, 64.7724, 103.1689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

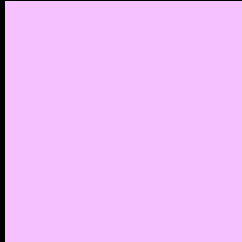
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7762, 64.7724, 103.1689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

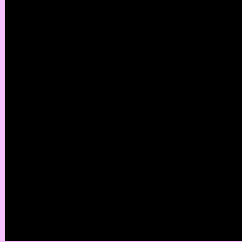
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.7762, 64.7724, 103.1689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7762, 64.7724, 103.1689.



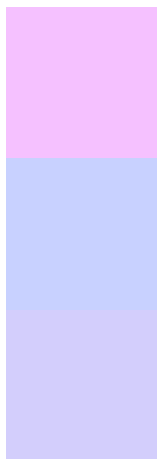
This preview shows how white text looks on a background with the XYZ color 74.7762, 64.7724,



# 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

74.7762, 64.7724, 103.1689

### Protanopia

64.6699, 65.1003, 103.7649

### Deuteranopia

66.5060, 65.0198, 101.1403



## Tritanopia

68.6455, 64.6171, 73.8201

# Trichromacy



## Original Color

74.7762, 64.7724, 103.1689



## Protanomaly

67.7248, 64.5308, 103.4939



## Deuteranomaly

69.0477, 64.5531, 101.7493



## Tritanomaly

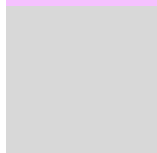
70.5248, 64.3464, 83.5660

# Monochromacy



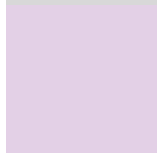
## Original Color

74.7762, 64.7724, 103.1689



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

68.5174, 67.1558, 84.2140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7762, 64.7724, 103.1689 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(245, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 193, 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(245, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 193, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7762, 64.7724, 103.1689 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(245, 193, 255) }
```



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

```
.border{ border-color:rgb(245, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 193,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7762, 64.7724, 103.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 193, 255) }
```

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

```
.background{ background-color: rgb(245,  
193, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor