

# Converting Colors

XYZ(102.3131, 80.9262,  
82.6328)

Have a look what the booklet for  
XYZ(102.3131, 80.9262, 82.6328)  
contains.

**XYZ(75.0714, 66.7386, 81.5982) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# **Color**

**XYZ(75.0714, 66.7386,  
81.5982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC5E3
RGB	255, 197, 227
RGB Percent	100%, 77%, 89%
CMY	0.0000, 0.2274, 0.1098
CMYK	0.00, 0.23, 0.11, 0.00
HSL	329°, 100%, 89%
HSV	329°, 23%, 100%
XYZ	75.0714, 66.7386, 81.5982
YIQ	217.7620, 24.9380, 21.6260

# Conversions

## Conversions Part 2

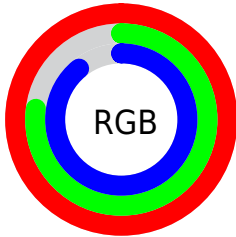
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 197, 227
Decimal	16762339
CIE Lab	85.37, 25.24, -6.89
CIE LCh	85, 26.160, 344.739
Yxy	66.7386, 0.3360, 0.2987
Android (android.graphics.Color)	4294952419 (0xFFFFC5E3)
YUV	217.7620, 4.5543, 32.6577
Hunter-Lab	81.6937, 21.0664, -2.0351

# Details

The XYZ color **75.0714, 66.7386, 81.5982** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.3788, 88.8276, 84.5683**, and the grayscale version is **66.4357, 69.8955, 76.1162**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **40.5576, 34.6292, 43.5762** is the 20% darker color. If you saturate the color by 10%, you get **68.1247, 55.4678, 71.1973**, and if you desaturate by 10%, it is **83.1221, 80.0223, 92.9683**.

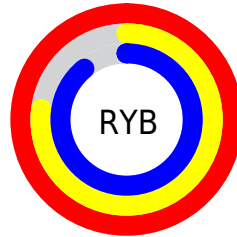
# Distribution



Red (100%)

Green (77%)

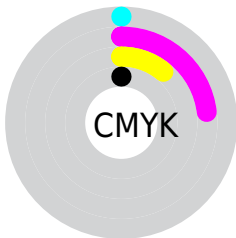
Blue (89%)



Red (100%)

Yellow (77%)

Blue (89%)

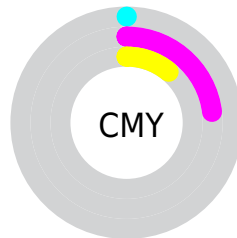


Cyan (0%)

Magenta (23%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0714, 66.7386, 81.5982 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 75.0714, 66.7386, 81.5982 by changing the saturation by 10% instead.



 75.0714, 66.7386,  
81.5982

 75.0714, 66.7386,  
81.5982


467.1563,  
449.0137, 520.1508

 55.9658, 48.8722,  
60.5005


125.4008,  
114.5458, 137.4420

 40.4124, 34.5181,  
43.3943


157.3553,  
145.2554, 173.0252

 28.0459, 23.2919,  
29.8609


194.3234,  
181.0148, 214.2740

 18.5009, 14.8092,  
19.4819

236.6705,  
222.2085, 261.6070

 11.4120, 8.6856,  
11.8387

284.7620,  
269.2209, 315.4426

 6.4140, 4.5367,  
6.5127

338.9633,

 3.1415, 1.9781,

322.4363, 376.1994

3.0855

399.6396,  
382.2391, 444.2960

■ 1.2290, 0.5947,  
1.1384

■ 0.1291, 0.0000,  
0.0000

■ 75.0714, 66.7386,  
81.5982

■ 75.0714, 66.7386,  
81.5982

■ 68.1247, 55.4678,  
71.1973

■ 83.1221, 80.0223,  
92.9683

■ 62.2255, 46.1019,  
61.7317

■ 92.3203, 95.4030,  
105.3317

■ 57.3192, 38.5357,  
53.1713

95.0500, 100.0000,  
108.9000

■ 53.3443, 32.6501,  
45.4822

■ 50.2316, 28.3117,  
38.6277

■ 47.9018, 25.3662,  
32.5669

■ 46.2592, 23.6270,  
27.2530

■ 45.3973, 22.9229,  
23.8219

# Harmonies

## Analogous

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



71.7951, 66.7386, 98.3953



75.0714, 66.7386, 81.5982



75.1015, 66.7386, 64.6777

# Triad

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



75.0714, 66.7386, 81.5982



60.5784, 66.7386, 45.4590



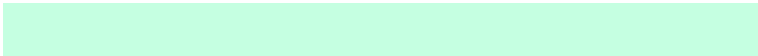
55.6796, 66.7386, 98.1383

# Complementary

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



75.0714, 66.7386, 81.5982



72.3788, 88.8276, 84.5683

# 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.



53.0405, 66.7386, 81.2885



75.0714, 66.7386, 81.5982



55.7469, 66.7386, 51.8668

# Square

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



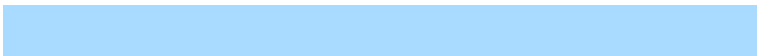
75.0714, 66.7386, 81.5982



66.4794, 66.7386, 45.5153



53.0643, 66.7386, 64.4125



60.4812, 66.7386, 108.9093



# Rectangle

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



75.0714, 66.7386, 81.5982



73.2635, 66.7386, 55.6145



53.0643, 66.7386, 64.4125



54.5238, 66.7386, 92.8911

# Sweetspot

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



75.0729, 66.7414, 81.5996



88.2609, 88.5926, 99.9449



68.7798, 63.0137, 103.1455



18.7720, 18.7626, 21.2320



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.



75.0729, 66.7414, 81.5996



71.9832, 61.7021, 77.0546



71.5094, 65.3160, 62.8341



18.4017, 18.1440, 20.7324



23.7970, 12.0081, 12.8471



2.3723, 1.1913, 1.5417



# Inverse Universe

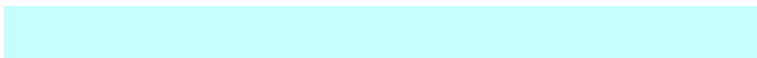
The Inverse Universe completely reimagines the original color for something new.



75.0729, 66.7414, 81.5996



71.9832, 61.7021, 77.0546



76.5278, 90.4873, 106.4167



18.4017, 18.1440, 20.7324



23.7970, 12.0081, 12.8471



2.3723, 1.1913, 1.5417



# Previews

## White Background



This preview shows how the XYZ color 75.0714, 66.7386, 81.5982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

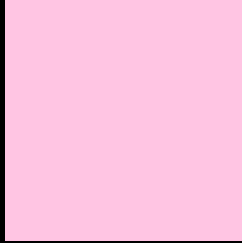
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0714, 66.7386, 81.5982 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 75.0714, 66.7386, 81.5982**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0714, 66.7386, 81.5982.



This preview shows how white text looks on a background with the XYZ color 75.0714, 66.7386,

81.5982.

# 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

75.0714, 66.7386, 81.5982

### Protanopia

65.5478, 66.9920, 88.8329

### Deuteranopia

68.2165, 66.7199, 80.5170



## Tritanopia

73.1972, 66.6358, 73.2941

# Trichromacy



## Original Color

75.0714, 66.7386, 81.5982



## Protanomaly

68.6994, 66.8397, 86.3713



## Deuteranomaly

70.3433, 66.3800, 81.0566



## Tritanomaly

73.8533, 66.5735, 75.9753

# Monochromacy



## Original Color

75.0714, 66.7386, 81.5982



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

69.0527, 68.3026, 77.9509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0714, 66.7386, 81.5982 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(255, 197, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 227)  
}
```

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(255, 197, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0714, 66.7386, 81.5982 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(255, 197, 227) }
```



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

```
.border{ border-color:rgb(255, 197, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0714, 66.7386, 81.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 227) }
```

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

```
.background{ background-color: rgb(255,  
197, 227) }
```

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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