

# Converting Colors

XYZ(75.1865, 66.5511, 82.9240)

Have a look what the booklet for  
XYZ(75.1865, 66.5511, 82.9240)  
contains.

<b>XYZ(75.1228, 66.3970, 82.9852)</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(75.1228, 66.3970,  
82.9852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4E5
RGB	255, 196, 229
RGB Percent	100%, 77%, 90%
CMY	0.0000, 0.2313, 0.1020
CMYK	0.00, 0.23, 0.10, 0.00
HSL	326°, 100%, 88%
HSV	326°, 23%, 100%
XYZ	75.1228, 66.3970, 82.9852
YIQ	217.4030, 24.5710, 22.7710

# Conversions

## Conversions Part 2

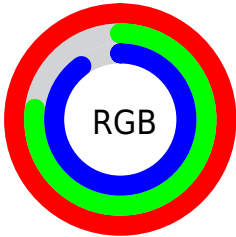
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 196, 229
Decimal	16762085
CIE <sub>Lab</sub>	85.20, 26.09, -8.21
CIE <sub>LCh</sub>	85, 27.350, 342.536
Yxy	66.3970, 0.3346, 0.2957
Android (android.graphics.Color)	4294952165 (0xFFFFC4E5)
YUV	217.4030, 5.7173, 32.9726
Hunter-Lab	81.4844, 21.9667, -3.3430

# Details

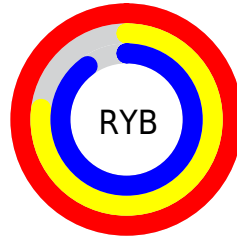
The XYZ color **75.1228, 66.3970, 82.9852** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.7120, 88.5307, 82.4191**, and the grayscale version is **66.1813, 69.6279, 75.8248**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **40.6017, 34.4078, 44.5458** is the 20% darker color. If you saturate the color by 10%, you get **68.3337, 55.2491, 73.2299**, and if you desaturate by 10%, it is **82.9940, 79.5460, 93.6041**.

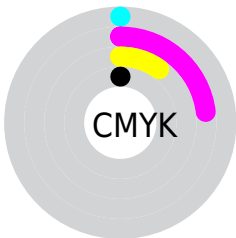
# Distribution



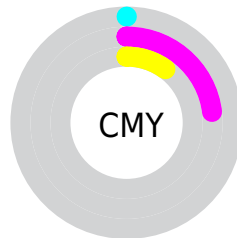
- Red (100%)
- Green (77%)
- Blue (90%)



- Red (100%)
- Yellow (77%)
- Blue (90%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1228, 66.3970, 82.9852 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 75.1228, 66.3970, 82.9852 by changing the saturation by 10% instead.



75.1228, 66.3970,  
82.9852

75.1228, 66.3970,  
82.9852

467.3302,  
447.7954, 524.9069

56.0080, 48.5947,  
61.6374

125.4732,  
114.0559, 139.4038

40.4464, 34.2981,  
44.3059

157.4394,  
144.6814, 175.3116

28.0725, 23.1227,  
30.5721

194.4203,  
180.3501, 216.9099

18.5211, 14.6841,  
20.0175

236.7810,  
221.4464, 264.6172

11.4267, 8.5980,  
12.2236

284.8871,  
268.3547, 318.8520

6.4240, 4.4799,  
6.7717

339.1037,

3.1477, 1.9455,

321.4593, 380.0329

3.2435

399.7963,  
381.1447, 448.5783

■ 1.2323, 0.5755,  
1.2203

■ 0.1317, 0.0000,  
0.0000

■ 75.1228, 66.3970,  
82.9852

■ 75.1228, 66.3970,  
82.9852

■ 68.3337, 55.2491,  
73.2299

■ 82.9940, 79.5460,  
93.6041

■ 62.5708, 45.9944,  
64.3077

■ 91.9905, 94.7803,  
105.1075

■ 57.7801, 38.5276,  
56.1916

95.0500, 100.0000,  
108.9000

■ 53.9002, 32.7292,  
48.8512

■ 50.8625, 28.4656,  
42.2533

■ 48.5878, 25.5817,  
36.3610

■ 46.9805, 23.8896,  
31.1312

■ 46.1693, 23.2317,  
27.8871

# Harmonies

## Analogous

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



71.4787, 66.3970, 100.3507



75.1228, 66.3970, 82.9852



75.4199, 66.3970, 65.1640

# Triad

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



75.1228, 66.3970, 82.9852



60.5666, 66.3970, 43.9274



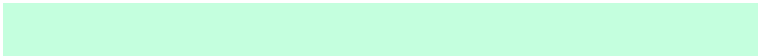
54.7592, 66.3970, 97.8007

# Complementary

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



75.1228, 66.3970, 82.9852



71.7120, 88.5307, 82.4191

# 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.



52.2153, 66.3970, 79.9283



75.1228, 66.3970, 82.9852



55.4184, 66.3970, 50.0262

# Square

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



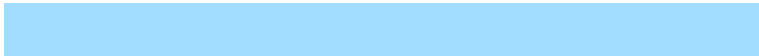
75.1228, 66.3970, 82.9852



66.7383, 66.3970, 44.4724



52.4485, 66.3970, 62.5648



59.6125, 66.3970, 109.8160



# Rectangle

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



75.1228, 66.3970, 82.9852



73.6544, 66.3970, 55.5085



52.4485, 66.3970, 62.5648



53.6203, 66.3970, 92.1647

# Sweetspot

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



75.1243, 66.3998, 82.9866



88.3767, 88.6389, 100.5548



67.7839, 62.1643, 103.0341



18.7988, 18.7733, 21.3733



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.



75.1243, 66.3998, 82.9866



71.6889, 60.7316, 78.1340



71.3995, 64.9098, 63.3718



18.4348, 18.1572, 20.9068



24.2008, 12.1696, 14.9739



2.4113, 1.2069, 1.7475



# Inverse Universe

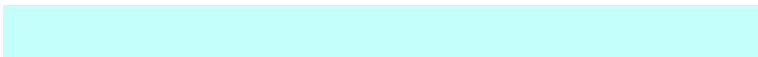
The Inverse Universe completely reimagines the original color for something new.



75.1243, 66.3998, 82.9866



71.6889, 60.7316, 78.1340



75.9497, 90.2258, 104.7346



18.4348, 18.1572, 20.9068



24.2008, 12.1696, 14.9739



2.4113, 1.2069, 1.7475



# Previews

## White Background



This preview shows how the XYZ color 75.1228, 66.3970, 82.9852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

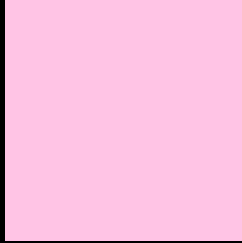
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1228, 66.3970, 82.9852 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 75.1228, 66.3970, 82.9852**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1228, 66.3970, 82.9852.



This preview shows how white text looks on a background with the XYZ color 75.1228, 66.3970,



# 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

75.1228, 66.3970, 82.9852

### Protanopia

65.4180, 66.8743, 91.1215

### Deuteranopia

68.1729, 66.6657, 81.9477



## Tritanopia

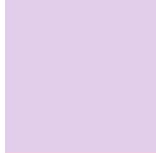
73.0690, 66.5845, 72.6193

# Trichromacy



## Original Color

75.1228, 66.3970, 82.9852



## Protanomaly

68.4307, 66.3095, 87.7896



## Deuteranomaly

70.6194, 66.4905, 82.5107



## Tritanomaly

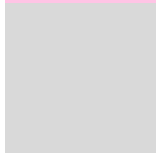
73.8533, 66.5735, 75.9753

# Monochromacy



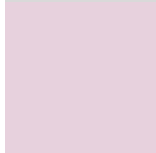
## Original Color

75.1228, 66.3970, 82.9852



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

68.8066, 67.8103, 77.8688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1228, 66.3970, 82.9852 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, 196, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 229)  
}
```

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, 196, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1228, 66.3970, 82.9852 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, 196, 229) }
```



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

```
.border{ border-color:rgb(255, 196, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1228, 66.3970, 82.9852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 229) }
```

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

```
.background{ background-color: rgb(255,  
196, 229) }
```

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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