

# Converting Colors

XYZ(76.5023, 69.9135, 81.1099)

Have a look what the booklet for  
XYZ(76.5023, 69.9135, 81.1099)  
contains.

<b>XYZ(76.5603, 69.9367, 81.4155)</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(76.5603, 69.9367,  
81.4155)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCCE2
RGB	255, 204, 226
RGB Percent	100%, 80%, 89%
CMY	0.0000, 0.2000, 0.1137
CMYK	0.00, 0.20, 0.11, 0.00
HSL	334°, 100%, 90%
HSV	334°, 20%, 100%
XYZ	76.5603, 69.9367, 81.4155
YIQ	221.7570, 23.3340, 17.6540

# Conversions

## Conversions Part 2

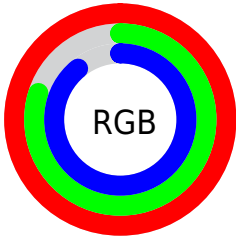
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 204, 226
Decimal	16764130
CIE Lab	86.97, 21.40, -4.00
CIE LCh	87, 21.773, 349.409
Yxy	69.9367, 0.3359, 0.3069
Android (android.graphics.Color)	4294954210 (0xFFFFCCE2)
YUV	221.7570, 2.0918, 29.1541
Hunter-Lab	83.6282, 17.0647, 0.8184

# Details

The XYZ color **76.5603, 69.9367, 81.4155** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.3721, 90.2417, 90.5401**, and the grayscale version is **69.2354, 72.8410, 79.3239**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5457, 36.7587, 43.4335** is the 20% darker color. If you saturate the color by 10%, you get **69.0820, 58.0308, 69.5175**, and if you desaturate by 10%, it is **85.2025, 83.9002, 94.5336**.

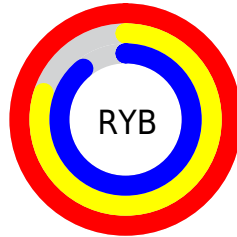
# Distribution



Red (100%)

Green (80%)

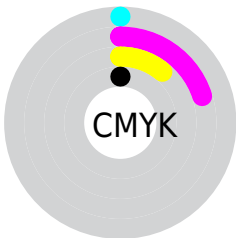
Blue (89%)



Red (100%)

Yellow (80%)

Blue (89%)

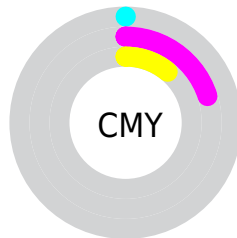


Cyan (0%)

Magenta (20%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5603, 69.9367, 81.4155 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 76.5603, 69.9367, 81.4155 by changing the saturation by 10% instead.




 76.5603, 69.9367,  
81.4155

 76.5603, 69.9367,  
81.4155


472.1785,  
460.3277, 519.5225

 57.1907, 51.4749,  
60.3509


127.4948,  
119.1185, 137.1833

 41.3991, 36.5867,  
43.2744


159.7904,  
150.6073, 172.7236

 28.8201, 24.8877,  
29.7674


197.1253,  
187.2072, 213.9262

 19.0884, 15.9934,  
19.4116

239.8651,  
229.3027, 261.2096

 11.8386, 9.5195,  
11.7882

288.3749,  
277.2781, 314.9924

 6.7053, 5.0815,  
6.4789

343.0202,

 3.3231, 2.2952,

331.5178, 375.6931

3.0649

404.1663,  
392.4062, 443.7303

■ 1.3269, 0.7712,  
1.1279

■ 0.2032, 0.0000,  
0.0000

■ 76.5603, 69.9367,  
81.4155

■ 76.5603, 69.9367,  
81.4155

■ 69.0820, 58.0308,  
69.5175

■ 85.2025, 83.9002,  
94.5336

■ 62.7102, 48.0756,  
58.7973

95.0500, 100.0000,  
108.9000

■ 57.3900, 39.9678,  
49.2162

■ 53.0596, 33.5910,  
40.7316

■ 49.6503, 28.8152,  
33.2974

■ 47.0839, 25.4921,  
26.8632

■ 45.2680, 23.4449,  
21.3725

■ 44.0542, 22.3858,  
16.7489

■ 44.0539, 22.3856,  
16.7479

# Harmonies

## Analogous

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



74.1820, 69.9367, 95.8724



76.5603, 69.9367, 81.4155



76.1333, 69.9367, 67.2127

# Triad

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



76.5603, 69.9367, 81.4155



63.2744, 69.9367, 52.6625



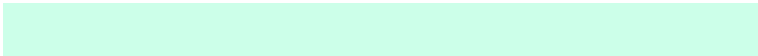
60.3084, 69.9367, 99.4684

# Complementary

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



76.5603, 69.9367, 81.4155



75.3721, 90.2417, 90.5401

# 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.



57.6660, 69.9367, 85.8446



76.5603, 69.9367, 81.4155



59.3170, 69.9367, 59.3354

# Square

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



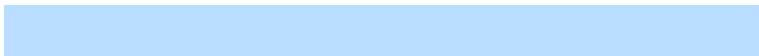
76.5603, 69.9367, 81.4155



68.2870, 69.9367, 51.7953



57.3126, 69.9367, 71.1150



64.6909, 69.9367, 107.1434



# Rectangle

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



76.5603, 69.9367, 81.4155



74.3215, 69.9367, 59.7108



57.3126, 69.9367, 71.1150



59.1970, 69.9367, 95.3575

# Sweetspot

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



76.5620, 69.9397, 81.4170



88.9924, 90.0759, 100.1259



73.2168, 67.7158, 103.8193



18.9126, 19.0589, 21.2325



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.



76.5620, 69.9397, 81.4170



73.4318, 64.9324, 76.5103



74.5510, 70.4424, 66.7980



18.3347, 18.1172, 20.3794



23.0906, 11.7255, 9.1275



2.3018, 1.1631, 1.1705



# Inverse Universe

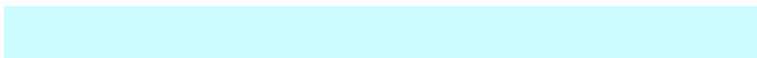
The Inverse Universe completely reimagines the original color for something new.



76.5620, 69.9397, 81.4170



73.4318, 64.9324, 76.5103



77.6385, 89.4283, 107.7771



18.3347, 18.1172, 20.3794



23.0906, 11.7255, 9.1275



2.3018, 1.1631, 1.1705



# Previews

## White Background



This preview shows how the XYZ color 76.5603, 69.9367, 81.4155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

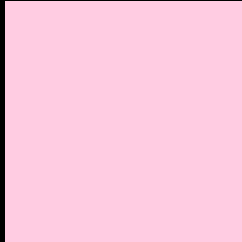
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5603, 69.9367, 81.4155 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 76.5603, 69.9367, 81.4155**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5603, 69.9367, 81.4155.



This preview shows how white text looks on a background with the XYZ color 76.5603, 69.9367,

81.4155.

# 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

76.5603, 69.9367, 81.4155

### Protanopia

68.2794, 70.3179, 87.8159

### Deuteranopia

71.4769, 69.8576, 80.9508



## Tritanopia

75.7555, 69.9539, 77.9163

# Trichromacy



## Original Color

76.5603, 69.9367, 81.4155

## Protanomaly

70.9223, 69.8454, 85.3448

## Deuteranomaly

73.1086, 69.6027, 80.8156

## Tritanomaly

76.0237, 70.0612, 79.3283

# Monochromacy



## Original Color

76.5603, 69.9367, 81.4155

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.5514, 71.4210, 79.8265

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5603, 69.9367, 81.4155 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, 204, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 226)  
}
```

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, 204, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5603, 69.9367, 81.4155 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, 204, 226) }
```



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

```
.border{ border-color:rgb(255, 204, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5603, 69.9367, 81.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 226) }
```

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

```
.background{ background-color: rgb(255,  
204, 226) }
```

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