

# Converting Colors

XYZ(103.7867, 80.8956,  
97.1375)

Have a look what the booklet for  
XYZ(103.7867, 80.8956, 97.1375)  
contains.

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# Color

**XYZ(77.6145, 67.3937,  
96.1063)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4F6
RGB	255, 196, 246
RGB Percent	100%, 77%, 96%
CMY	0.0000, 0.2313, 0.0353
CMYK	0.00, 0.23, 0.04, 0.00
HSL	309°, 100%, 88%
HSV	309°, 23%, 100%
XYZ	77.6145, 67.3937, 96.1063
YIQ	219.3410, 19.1140, 28.0580

# Conversions

## Conversions Part 2

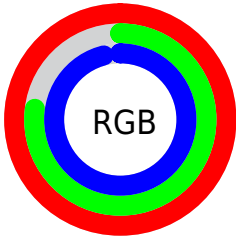
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 196, 246</a>
Decimal	<a href="#">16762102</a>
CIELab	<a href="#">85.70, 28.97, -16.50</a>
CIELCh	<a href="#">86, 33.342, 330.338</a>
Yxy	<a href="#">67.3937, 0.3219, 0.2795</a>
Android (android.graphics.Color)	<a href="#">4294952182</a> ( <a href="#">0xFFFFC4F6</a> )
YUV	<a href="#">219.3410, 13.1429, 31.2729</a>
Hunter-Lab	<a href="#">82.0937, 25.0968, -11.9447</a>

# Details

The XYZ color **77.6145, 67.3937, 96.1063** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.5465, 87.6645, 71.0160**, and the grayscale version is **67.4724, 70.9862, 77.3040**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **42.2560, 35.0695, 53.2572** is the 20% darker color. If you saturate the color by 10%, you get **71.7535, 56.6170, 91.2385**, and if you desaturate by 10%, it is **84.4684, 80.1357, 101.3686**.

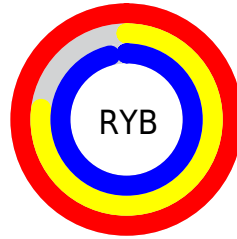
# Distribution



Red (100%)

Green (77%)

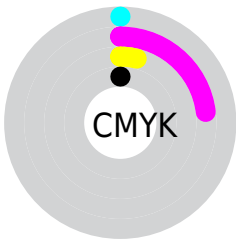
Blue (96%)



Red (100%)

Yellow (77%)

Blue (96%)

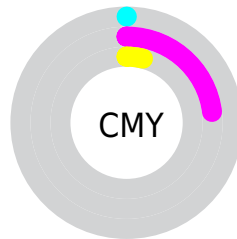


Cyan (0%)

Magenta (23%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (23%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6145, 67.3937, 96.1063 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 77.6145, 67.3937, 96.1063 by changing the saturation by 10% instead.



77.6145, 67.3937,  
96.1063

77.6145, 67.3937,  
96.1063

475.7165,  
451.3449, 568.7752

58.0590, 49.4046,  
72.4541

128.9748,  
115.4844, 157.8008

42.0996, 34.9406,  
53.0406

161.5103,  
146.3548, 196.6802

29.3707, 23.6171,  
37.4473

199.1033,  
182.2877, 241.4725

19.5071, 15.0498,  
25.2555

242.1190,  
223.6676, 292.5961

12.1435, 8.8544,  
16.0467

290.9228,  
270.8789, 350.4697

6.9143, 4.6463,  
9.4025

345.8801,

3.4544, 2.0413,

324.3060, 415.5117

4.9043

407.3562,  
384.3331, 488.1407

■ 1.3984, 0.6313,  
2.1334

■ 0.2551, 0.0000,  
0.6356

■ 77.6145, 67.3937,  
96.1063

■ 77.6145, 67.3937,  
96.1063

■ 71.7535, 56.6170,  
91.2385

■ 84.4684, 80.1357,  
101.3686

■ 66.8315, 47.6987,  
86.7442

■ 92.3568, 94.9268,  
107.0368

■ 62.7962, 40.5340,  
82.6063

95.0500, 100.0000,  
108.9000

■ 59.5884, 35.0045,  
78.8049

■ 57.1413, 30.9771,  
75.3172

■ 55.3780, 28.2977,  
72.1172

■ 54.2047, 26.7793,  
69.1734

■ 53.6480, 26.2232,  
67.2695

# Harmonies

## Analogous

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



71.7256, 67.3937, 115.7608



77.6145, 67.3937, 96.1063



79.8114, 67.3937, 73.1335

# Triad

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



77.6145, 67.3937, 96.1063



63.9695, 67.3937, 38.9762



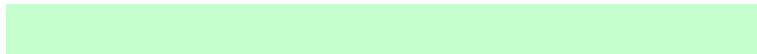
52.2510, 67.3937, 96.6194

# Complementary

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



77.6145, 67.3937, 96.1063



69.5465, 87.6645, 71.0160

# 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.



50.5233, 67.3937, 73.6276



77.6145, 67.3937, 96.1063



56.9530, 67.3937, 42.8575

# Square

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



77.6145, 67.3937, 96.1063



71.5646, 67.3937, 42.6851



52.1758, 67.3937, 54.5530



57.0913, 67.3937, 116.0959



# Rectangle

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



77.6145, 67.3937, 96.1063



78.7613, 67.3937, 59.7719



52.1758, 67.3937, 54.5530



51.3049, 67.3937, 88.9117

# Sweetspot

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



77.6160, 67.3964, 96.1077



89.1823, 88.9611, 104.7967



62.9281, 59.6610, 102.8068



18.9856, 18.8480, 22.3571



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.



77.6160, 67.3964, 96.1077



74.6432, 61.9133, 93.6909



73.4606, 65.7342, 74.2260



18.6666, 18.2499, 22.1273



28.0772, 13.7202, 35.3868



2.7646, 1.3482, 3.6077



# Inverse Universe

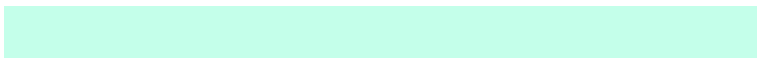
The Inverse Universe completely reimagines the original color for something new.



77.6160, 67.3964, 96.1077



74.6432, 61.9133, 93.6909



73.4284, 89.2173, 91.4579



18.6666, 18.2499, 22.1273



28.0772, 13.7202, 35.3868



2.7646, 1.3482, 3.6077



# Previews

## White Background



This preview shows how the XYZ color 77.6145, 67.3937, 96.1063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

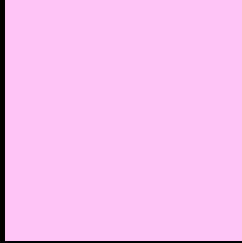
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6145, 67.3937, 96.1063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

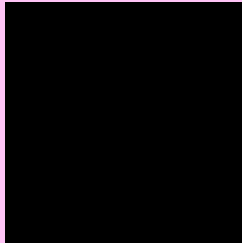
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.6145, 67.3937, 96.1063**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6145, 67.3937, 96.1063.



This preview shows how white text looks on a background with the XYZ color 77.6145, 67.3937,



# 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

77.6145, 67.3937, 96.1063

### Protanopia

67.2978, 67.9303, 104.1726

### Deuteranopia

69.2538, 67.6622, 94.9980



## Tritanopia

73.1947, 67.2923, 74.7766

# Trichromacy



## Original Color

77.6145, 67.3937, 96.1063



## Protanomaly

70.6240, 67.5012, 101.4022



## Deuteranomaly

72.0060, 67.2707, 95.5756



## Tritanomaly

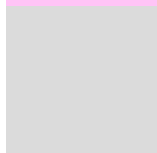
74.5719, 67.1437, 82.4285

# Monochromacy



## Original Color

77.6145, 67.3937, 96.1063



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

70.7158, 69.4015, 83.7974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6145, 67.3937, 96.1063 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6145, 67.3937, 96.1063 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, 246) }
```



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

```
.border{ border-color:rgb(255, 196, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6145, 67.3937, 96.1063 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, 246) }
```

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

```
.background{ background-color: rgb(255,  
196, 246) }
```

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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