

# Converting Colors

XYZ(76.0259, 64.9654, 93.2685)

Have a look what the booklet for  
XYZ(76.0259, 64.9654, 93.2685)  
contains.

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# Color

**XYZ(76.0485, 64.9927,  
93.3307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFF3
RGB	255, 191, 243
RGB Percent	100%, 75%, 95%
CMY	0.0000, 0.2510, 0.0471
CMYK	0.00, 0.25, 0.05, 0.00
HSL	311°, 100%, 87%
HSV	311°, 25%, 100%
XYZ	76.0485, 64.9927, 93.3307
YIQ	216.0640, 21.4520, 29.7400

# Conversions

## Conversions Part 2

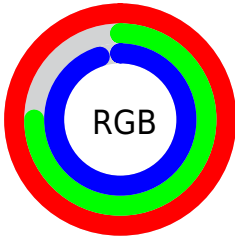
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 191, 243</a>
Decimal	<a href="#">16760819</a>
CIELab	<a href="#">84.48, 31.08, -16.74</a>
CIElCh	<a href="#">84, 35.301, 331.686</a>
Yxy	<a href="#">64.9927, 0.3245, 0.2773</a>
Android (android.graphics.Color)	<a href="#">4294950899 (0xFFFFBFF3)</a>
YUV	<a href="#">216.0640, 13.2794, 34.1469</a>
Hunter-Lab	<a href="#">80.6181, 27.3008, -12.2068</a>

# Details

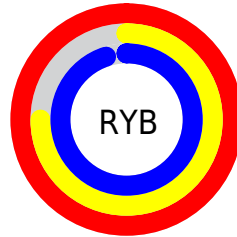
The XYZ color **76.0485, 64.9927, 93.3307** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.0274, 86.9091, 69.6926**, and the grayscale version is **65.2174, 68.6138, 74.7204**.

A 20% lighter version of the original color is **92.8574, 95.6148, 108.1691**, and **41.2040, 33.4849, 51.3053** is the 20% darker color. If you saturate the color by 10%, you get **70.2515, 54.5391, 87.8829**, and if you desaturate by 10%, it is **82.8352, 77.3952, 99.2029**.

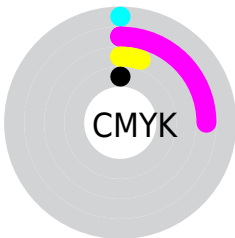
# Distribution



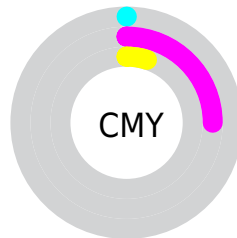
- Red (100%)
- Green (75%)
- Blue (95%)



- Red (100%)
- Yellow (75%)
- Blue (95%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0485, 64.9927, 93.3307 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 76.0485, 64.9927, 93.3307 by changing the saturation by 10% instead.





 76.0485, 64.9927,  
93.3307

 76.0485, 64.9927,  
93.3307


470.4555,  
442.7657, 559.6542

 56.7695, 47.4552,  
70.1572

 126.7755,  
112.0394, 153.9320

 41.0596, 33.3956,  
51.1771

158.9541,  
142.3173, 192.1970

 28.5535, 22.4297,  
35.9719


196.1633,  
177.6108, 236.3295

 18.8859, 14.1730,  
24.1230

238.7685,  
218.3042, 286.7481

 11.6914, 8.2411,  
15.2118

287.1349,  
264.7821, 343.8713

 6.6046, 4.2496,  
8.8199

341.6280,

 3.2602, 1.8141,

317.4287, 408.1177

4.5287

402.6131,  
376.6284, 479.9058

■ 1.2928, 0.4960,  
1.9196

■ 0.1778, 0.0000,  
0.5052

■ 76.0485, 64.9927,  
93.3307

■ 76.0485, 64.9927,  
93.3307

■ 70.2515, 54.5391,  
87.8829

■ 82.8352, 77.3952,  
99.2029

■ 65.3897, 45.9262,  
82.8381

■ 90.6540, 91.8318,  
105.5118

■ 61.4096, 39.0471,  
78.1785

95.0500, 100.0000,  
108.9000

■ 58.2506, 33.7808,  
73.8833

■ 55.8444, 29.9908,  
69.9290

■ 54.1110, 27.5177,  
66.2882

■ 52.9524, 26.1653,  
62.9275

■ 52.5255, 25.7742,  
61.3585

# Harmonies

## Analogous

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



70.0523, 64.9927, 114.3287



76.0485, 64.9927, 93.3307



78.1355, 64.9927, 69.5005

# Triad

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



76.0485, 64.9927, 93.3307



61.3302, 64.9927, 35.7346



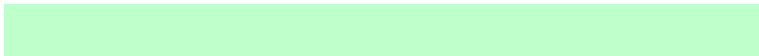
49.7911, 64.9927, 96.0077

# Complementary

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



76.0485, 64.9927, 93.3307



68.0274, 86.9091, 69.6926

# 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.



47.8719, 64.9927, 72.0467



76.0485, 64.9927, 93.3307



54.1743, 64.9927, 39.9689

# Square

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



76.0485, 64.9927, 93.3307



69.2184, 64.9927, 39.1053



49.4071, 64.9927, 52.1673



54.8828, 64.9927, 116.0905



# Rectangle

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



76.0485, 64.9927, 93.3307



76.8993, 64.9927, 55.9540



49.4071, 64.9927, 52.1673



48.7740, 64.9927, 87.9854

# Sweetspot

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



76.0499, 64.9953, 93.3321



88.2741, 87.4239, 103.6335



61.2394, 57.1439, 102.4100



18.6380, 18.2385, 21.9768



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.



76.0499, 64.9953, 93.3321



73.0860, 59.6305, 90.6080



71.6639, 63.2409, 70.2357



18.6380, 18.2385, 21.9768



27.4981, 13.4885, 32.3370



2.7134, 1.3277, 3.3382



# Inverse Universe

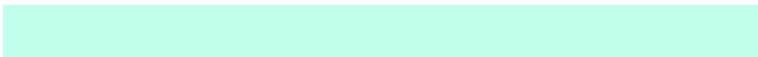
The Inverse Universe completely reimagines the original color for something new.



76.0499, 64.9953, 93.3321



73.0860, 59.6305, 90.6080



72.2045, 88.5800, 91.6889



18.6380, 18.2385, 21.9768



27.4981, 13.4885, 32.3370



2.7134, 1.3277, 3.3382



# Previews

## White Background



This preview shows how the XYZ color 76.0485, 64.9927, 93.3307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

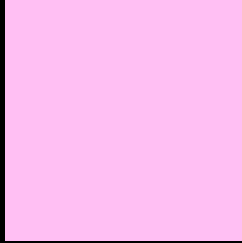
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0485, 64.9927, 93.3307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

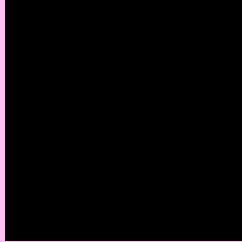
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.0485, 64.9927, 93.3307**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0485, 64.9927, 93.3307.



This preview shows how white text looks on a background with the XYZ color 76.0485, 64.9927,



# 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

76.0485, 64.9927, 93.3307

### Protanopia

64.9379, 65.2384, 103.7774

### Deuteranopia

66.7129, 65.3393, 91.5337



## Tritanopia

71.6336, 65.1952, 71.0958

# Trichromacy



## Original Color

76.0485, 64.9927, 93.3307



## Protanomaly

68.3519, 64.5782, 100.1291



## Deuteranomaly

69.7188, 65.1131, 92.1126



## Tritanomaly

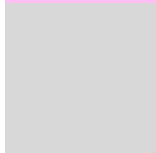
72.9793, 65.0534, 78.5222

# Monochromacy



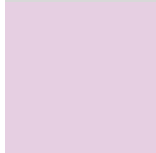
## Original Color

76.0485, 64.9927, 93.3307



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

68.6734, 66.9396, 81.2527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0485, 64.9927, 93.3307 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, 191, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 243)  
}
```

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, 191, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0485, 64.9927, 93.3307 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, 191, 243) }
```



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

```
.border{ border-color:rgb(255, 191, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0485, 64.9927, 93.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 243) }
```

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

```
.background{ background-color: rgb(255,  
191, 243) }
```

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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