

# Converting Colors

XYZ(77.9328, 66.4972, 95.1537)

Have a look what the booklet for  
XYZ(77.9328, 66.4972, 95.1537)  
contains.

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# Color

**XYZ(76.7914, 65.9925,  
95.0767)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC1F5
RGB	255, 193, 245
RGB Percent	100%, 76%, 96%
CMY	0.0000, 0.2431, 0.0392
CMYK	0.00, 0.24, 0.04, 0.00
HSL	310°, 100%, 88%
HSV	310°, 24%, 100%
XYZ	76.7914, 65.9925, 95.0767
YIQ	217.4660, 20.2600, 29.3160

# Conversions

## Conversions Part 2

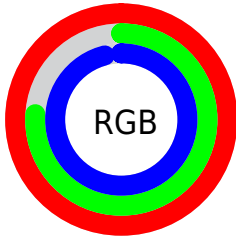
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 193, 245
Decimal	16761333
CIE <sub>Lab</sub>	84.99, 30.37, -17.04
CIE <sub>LCh</sub>	85, 34.826, 330.713
Yxy	65.9925, 0.3228, 0.2774
Android (android.graphics.Color)	4294951413 (0xFFFFC1F5)
YUV	217.4660, 13.5743, 32.9173
Hunter-Lab	81.2358, 26.5718, -12.5268

# Details

The XYZ color **76.7914, 65.9925, 95.0767** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.5338, 87.1702, 69.7162**, and the grayscale version is **66.1744, 69.6206, 75.8169**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **41.7066, 34.1451, 52.5366** is the 20% darker color. If you saturate the color by 10%, you get **71.0121, 55.4273, 90.0875**, and if you desaturate by 10%, it is **83.5594, 78.5122, 100.4661**.

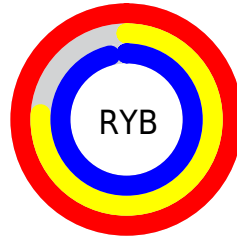
# Distribution



Red (100%)

Green (76%)

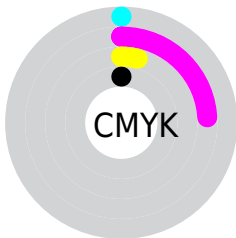
Blue (96%)



Red (100%)

Yellow (76%)

Blue (96%)

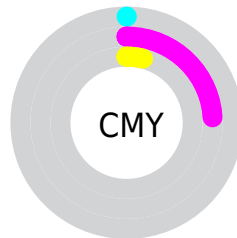


Cyan (0%)

Magenta (24%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7914, 65.9925, 95.0767 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 76.7914, 65.9925, 95.0767 by changing the saturation by 10% instead.



76.7914, 65.9925,  
95.0767

76.7914, 65.9925,  
95.0767

472.9554,  
446.3501, 565.4011

57.3810, 48.2663,  
71.6016

127.8194,  
113.4756, 156.3671

41.5526, 34.0378,  
52.3484

160.1677,  
144.0012, 195.0194

28.9407, 22.9227,  
36.8987

197.5594,  
179.5622, 239.5678

19.1800, 14.5364,  
24.8339

240.3597,  
220.5428, 290.4309

11.9052, 8.4947,  
15.7355

288.9341,  
267.3275, 348.0273

6.7509, 4.4131,  
9.1848

343.6480,

3.3517, 1.9072,

320.3007, 412.7754

4.7635

404.8666,  
379.8468, 485.0938

■ 1.3424, 0.5527,  
2.0529

■ 0.2146, 0.0000,  
0.5875

■ 76.7914, 65.9925,  
95.0767

■ 76.7914, 65.9925,  
95.0767

■ 71.0121, 55.4273,  
90.0875

■ 83.5594, 78.5122,  
100.4661

■ 66.1672, 46.7090,  
85.4773

■ 91.3582, 93.0712,  
106.2675

■ 62.2037, 39.7317,  
81.2290

95.0500, 100.0000,  
108.9000

■ 59.0617, 34.3752,  
77.3219

■ 56.6734, 30.5045,  
73.7332

■ 54.9603, 27.9625,  
70.4362

■ 53.8260, 26.5567,  
67.3983

■ 53.3613, 26.1085,  
65.7597

# Harmonies

## Analogous

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



70.7311, 65.9925, 115.6610



76.7914, 65.9925, 95.0767



79.0134, 65.9925, 71.3197

# Triad

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



76.7914, 65.9925, 95.0767



62.5368, 65.9925, 36.7906



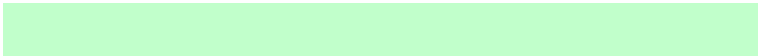
50.6509, 65.9925, 96.2005

# Complementary

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



76.7914, 65.9925, 95.0767



68.5338, 87.1702, 69.7162

# 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.



48.8428, 65.9925, 72.3922



76.7914, 65.9925, 95.0767



55.3451, 65.9925, 40.7959

# Square

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



76.7914, 65.9925, 95.0767



70.3803, 65.9925, 40.4294



50.4887, 65.9925, 52.7597



55.6439, 65.9925, 116.3991



# Rectangle

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



76.7914, 65.9925, 95.0767



77.8852, 65.9925, 57.6591



50.4887, 65.9925, 52.7597



49.6700, 65.9925, 88.2075

# Sweetspot

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



76.7929, 65.9951, 95.0781



89.1575, 88.9512, 104.6663



61.5610, 57.9616, 102.5508



18.9799, 18.8457, 22.3268



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.



76.7929, 65.9951, 95.0781



73.9627, 60.8036, 92.6898



72.5389, 64.2936, 72.6773



18.6594, 18.2471, 22.0895



27.9294, 13.6610, 34.6081



2.7516, 1.3430, 3.5391



# Inverse Universe

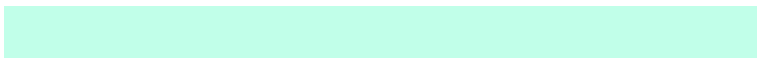
The Inverse Universe completely reimagines the original color for something new.



76.7929, 65.9951, 95.0781



73.9627, 60.8036, 92.6898



72.5050, 88.7587, 90.6279



18.6594, 18.2471, 22.0895



27.9294, 13.6610, 34.6081



2.7516, 1.3430, 3.5391



# Previews

## White Background



This preview shows how the XYZ color 76.7914, 65.9925, 95.0767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

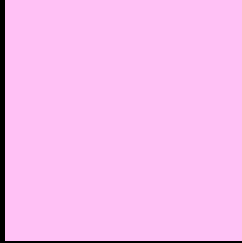
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7914, 65.9925, 95.0767 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 76.7914, 65.9925, 95.0767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7914, 65.9925, 95.0767.



This preview shows how white text looks on a background with the XYZ color 76.7914, 65.9925,

95.0767.

# 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

76.7914, 65.9925, 95.0767

### Protanopia

65.9729, 66.5050, 103.9674

### Deuteranopia

67.5533, 66.0965, 93.2019



## Tritanopia

72.3447, 66.2111, 72.5854

# Trichromacy



## Original Color

76.7914, 65.9925, 95.0767



## Protanomaly

69.1297, 65.6804, 100.3008



## Deuteranomaly

70.5769, 65.8679, 93.7880



## Tritanomaly

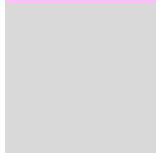
73.7017, 66.0642, 80.1013

# Monochromacy



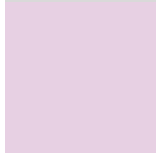
## Original Color

76.7914, 65.9925, 95.0767



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

69.3760, 67.6467, 82.0737

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7914, 65.9925, 95.0767 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, 193, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 245)  
}
```

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, 193, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7914, 65.9925, 95.0767 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, 193, 245) }
```



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

```
.border{ border-color:rgb(255, 193, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7914, 65.9925, 95.0767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 245) }
```

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

```
.background{ background-color: rgb(255,  
193, 245) }
```

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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