

# Converting Colors

XYZ(76.8691, 68.3358, 92.5025)

Have a look what the booklet for  
XYZ(76.8691, 68.3358, 92.5025)  
contains.

<b>XYZ(77.0395, 68.5421, 92.3886)</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(77.0395, 68.5421,  
92.3886)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDC8F1
RGB	253, 200, 241
RGB Percent	99%, 78%, 95%
CMY	0.0078, 0.2157, 0.0549
CMYK	0.00, 0.21, 0.05, 0.01
HSL	314°, 93%, 89%
HSV	314°, 21%, 99%
XYZ	77.0395, 68.5421, 92.3886
YIQ	220.5210, 18.4270, 23.9870

# Conversions

## Conversions Part 2

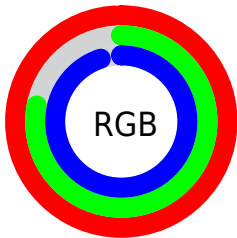
Format	Color
R <sub>Y</sub> B	253, 200, 241
Decimal	16632049
CIE Lab	86.28, 25.34, -13.00
CIE LCh	86, 28.482, 332.835
Yxy	68.5421, 0.3237, 0.2880
Android (android.graphics.Color)	4294822129 (0xFFFDC8F1)
YUV	220.5210, 10.0961, 28.4841
Hunter-Lab	82.7902, 21.2185, -8.2108

# Details

The XYZ color **77.0395, 68.5421, 92.3886** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.8311, 87.2854, 75.4059**, and the grayscale version is **68.3159, 71.8736, 78.2703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8008, 35.7963, 50.6052** is the 20% darker color. If you saturate the color by 10%, you get **70.8161, 57.4423, 86.1588**, and if you desaturate by 10%, it is **84.2634, 81.5977, 99.0863**.

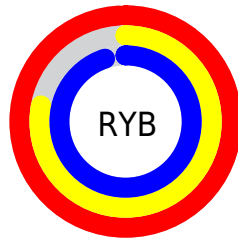
# Distribution



Red (99%)

Green (78%)

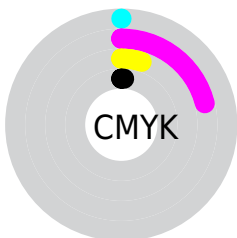
Blue (95%)



Red (99%)

Yellow (78%)

Blue (95%)

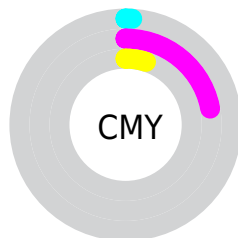


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (1%)



Cyan (1%)

Magenta (22%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0395, 68.5421, 92.3886 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 77.0395, 68.5421, 92.3886 by changing the saturation by 10% instead.



77.0395, 68.5421,  
92.3886

77.0395, 68.5421,  
92.3886

473.7886,  
455.4143, 556.5400

57.5853, 50.3389,  
69.3786

128.1678,  
117.1273, 152.6162

41.7173, 35.6827,  
50.5464

160.5726,  
148.2781, 190.6710

29.0702, 24.1893,  
35.4736

198.0250,  
184.5136, 234.5777

19.2785, 15.4741,  
23.7414

240.8904,  
226.2180, 284.7549

11.9769, 9.1528,  
14.9315

289.5341,  
273.7760, 341.6212

6.8000, 4.8410,  
8.6252

344.3215,

3.3826, 2.1543,

327.5717, 405.5951

4.4041

405.6178,  
387.9897, 477.0952

■ 1.3591, 0.6949,  
1.8495

■ 0.2268, 0.0000,  
0.4603

■ 77.0395, 68.5421,  
92.3886

■ 77.0395, 68.5421,  
92.3886

■ 70.8161, 57.4423,  
86.1588

■ 84.2634, 81.5977,  
99.0863

■ 65.5391, 48.1939,  
80.3752

■ 92.5263, 96.6889,  
106.2635

■ 61.1588, 40.6964,  
75.0210

■ 94.3185, 99.6229,  
108.8658

■ 57.6180, 34.8362,  
70.0757

■ 54.8531, 30.4861,  
65.5169

■ 52.7909, 27.5004,  
61.3189

■ 51.3438, 25.7042,  
57.4513

■ 50.4396, 24.8554,  
54.1921

# Harmonies

## Analogous

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



72.2364, 68.5421, 109.3264



77.0395, 68.5421, 92.3886



78.5901, 68.5421, 72.8565

# Triad

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



77.0395, 68.5421, 92.3886



64.5247, 68.5421, 44.0255



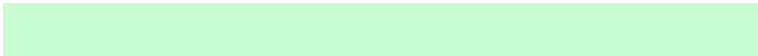
55.1030, 68.5421, 96.0062

# Complementary

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



77.0395, 68.5421, 92.3886



70.8311, 87.2854, 75.4059

# 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.



53.3320, 68.5421, 76.4335



77.0395, 68.5421, 92.3886



58.5377, 68.5421, 48.1825

# Square

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



77.0395, 68.5421, 92.3886



71.0839, 68.5421, 46.8589



54.5464, 68.5421, 59.3078



59.5506, 68.5421, 111.6494



# Rectangle

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



77.0395, 68.5421, 92.3886



77.4913, 68.5421, 61.4581



54.5464, 68.5421, 59.3078



54.1890, 68.5421, 89.5626

# Sweetspot

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



77.0415, 68.5451, 92.3901



89.8090, 90.4025, 104.4260



65.3895, 62.3243, 101.5131



19.1058, 19.1362, 22.2495



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.



77.0415, 68.5451, 92.3901



75.7376, 64.9556, 91.4244



73.4326, 67.1016, 73.3859



18.6063, 18.2258, 21.8099



26.8896, 13.2451, 29.1330



2.6592, 1.3060, 3.0526



# Inverse Universe

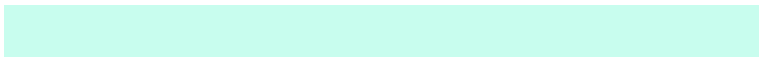
The Inverse Universe completely reimagines the original color for something new.



77.0415, 68.5451, 92.3901



75.7376, 64.9556, 91.4244



74.3773, 88.7039, 94.0796



18.6063, 18.2258, 21.8099



26.8896, 13.2451, 29.1330



2.6592, 1.3060, 3.0526



# Previews

## White Background



This preview shows how the XYZ color 77.0395, 68.5421, 92.3886 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

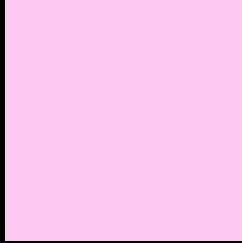
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0395, 68.5421, 92.3886 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 77.0395, 68.5421, 92.3886**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0395, 68.5421, 92.3886.



This preview shows how white text looks on a background with the XYZ color 77.0395, 68.5421,



# 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

77.0395, 68.5421, 92.3886

### Protanopia

67.8802, 68.6969, 100.1246

### Deuteranopia

70.3051, 68.6561, 91.2078



## Tritanopia

73.9355, 68.6770, 77.0693

# Trichromacy



## Original Color

77.0395, 68.5421, 92.3886



## Protanomaly

70.9530, 68.4851, 97.4750



## Deuteranomaly

72.3916, 68.2668, 91.7994



## Tritanomaly

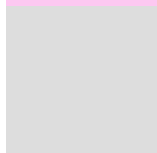
75.1432, 68.8225, 82.7224

# Monochromacy



## Original Color

77.0395, 68.5421, 92.3886



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

71.4021, 70.5136, 83.2460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0395, 68.5421, 92.3886 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(253, 200, 241)` looks like.

```
.text, #text, p{  
    color:rgb(253, 200, 241)  
}
```

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(253, 200, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 200, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0395, 68.5421, 92.3886 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(253, 200, 241) }
```



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

```
.border{ border-color:rgb(253, 200, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 200, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 200, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 200, 241);  
box-shadow:4px 4px 4px 4px rgb(253, 200,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0395, 68.5421, 92.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 200, 241) }
```

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

```
.background{ background-color: rgb(253,  
200, 241) }
```

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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