

# Converting Colors

XYZ(114.0809, 79.2156,  
88.1870)

Have a look what the booklet for  
XYZ(114.0809, 79.2156, 88.1870)  
contains.

<b>XYZ(71.1790, 57.1453, 85.8759)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**XYZ(71.1790, 57.1453,  
85.8759)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFADEC
RGB	255, 173, 235
RGB Percent	100%, 68%, 92%
CMY	0.0000, 0.3215, 0.0784
CMYK	0.00, 0.32, 0.08, 0.00
HSL	315°, 100%, 84%
HSV	315°, 32%, 100%
XYZ	71.1790, 57.1453, 85.8759
YIQ	204.5860, 28.9700, 36.6660

# Conversions

## Conversions Part 2

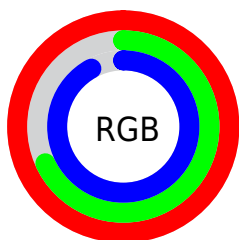
Format	Color
<a href="#">RYB</a>	<a href="#">255, 173, 235</a>
Decimal	<a href="#">16756203</a>
CIELab	<a href="#">80.26, 39.14, -18.82</a>
CIELCh	<a href="#">80, 43.424, 334.320</a>
Yxy	<a href="#">57.1453, 0.3323, 0.2668</a>
Android (android.graphics.Color)	<a href="#">4294946283</a> (0xFFFFAEDB)
YUV	<a href="#">204.5860, 14.9941, 44.2131</a>
Hunter-Lab	<a href="#">75.5945, 35.7833, -14.4377</a>

# Details

The XYZ color **71.1790, 57.1453, 85.8759** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.6211, 84.2554, 63.4173**, and the grayscale version is **57.6618, 60.6647, 66.0638**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **37.7595, 28.3186, 46.1237** is the 20% darker color. If you saturate the color by 10%, you get **65.8649, 47.9301, 79.7488**, and if you desaturate by 10%, it is **77.4601, 68.2439, 92.4818**.

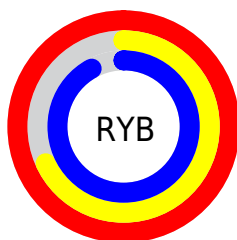
# Distribution



Red (100%)

Green (68%)

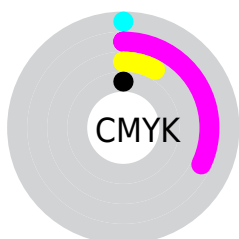
Blue (92%)



Red (100%)

Yellow (68%)

Blue (92%)

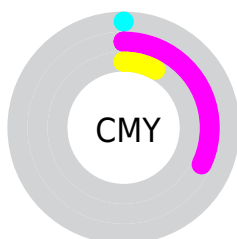


Cyan (0%)

Magenta (32%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1790, 57.1453, 85.8759 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 71.1790, 57.1453, 85.8759 by changing the saturation by 10% instead.




 71.1790, 57.1453,  
85.8759

 71.1790, 57.1453,  
85.8759


453.8810,  
413.9935, 534.7419

 52.7713, 41.1219,  
64.0111


 119.9057,  
100.6772, 143.4813

 37.8470, 28.4144,  
46.2134


150.9554,  
128.9544, 180.0589

 26.0406, 18.6382,  
32.0644


186.9499,  
162.0851, 222.3779

 16.9869, 11.4092,  
21.1454

228.2545,  
200.4536, 270.8568

 10.3204, 6.3428,  
13.0381

275.2346,  
244.4443, 325.9141

 5.6758, 3.0546,  
7.3237


328.2555,


 2.6877, 1.1603,


294.4416, 387.9683


3.5839


387.6825,  
350.8299, 457.4381

 0.9909, 0.0289,  
1.4000

 0.0000, 0.0000,  
0.1417


 71.1790, 57.1453,  
85.8759


 71.1790, 57.1453,  
85.8759


 65.8649, 47.9301,  
79.7488


 77.4601, 68.2439,  
92.4818

 61.4605, 40.4846,  
74.0777

 84.7538, 81.3171,  
99.5811

 57.9082, 34.6939,  
68.8425

 93.1072, 96.4585,  
107.1918

 55.1418, 30.4265,  
64.0195

95.0500, 100.0000,  
108.9000

■ 53.0853, 27.5306,  
59.5818

■ 51.6468, 25.8231,  
55.4971

■ 50.8438, 25.1015,  
52.5027

# Harmonies

## Analogous

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



64.5083, 57.1453, 111.9020



71.1790, 57.1453, 85.8759



73.1561, 57.1453, 58.6145

# Triad

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



71.1790, 57.1453, 85.8759



53.0404, 57.1453, 25.1219



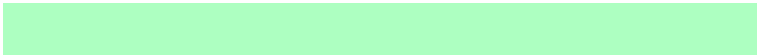
41.4129, 57.1453, 94.0199

# Complementary

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



71.1790, 57.1453, 85.8759



62.6211, 84.2554, 63.4173

# 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.



39.0229, 57.1453, 65.9736



71.1790, 57.1453, 85.8759



45.2561, 57.1453, 29.9736

# Square

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



71.1790, 57.1453, 85.8759



62.0450, 57.1453, 27.7691



40.3500, 57.1453, 43.3663



47.2551, 57.1453, 117.4316



# Rectangle

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



71.1790, 57.1453, 85.8759



71.3840, 57.1453, 44.1972



40.3500, 57.1453, 43.3663



40.2099, 57.1453, 84.5805

# Sweetspot

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



71.1803, 57.1476, 85.8771



86.4625, 84.4016, 101.1771



54.7679, 48.3339, 101.0505



18.2668, 17.6324, 21.4327



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.



71.1803, 57.1476, 85.8771



67.4407, 50.6412, 81.6317



66.0204, 55.0837, 58.7059



18.5921, 18.2202, 21.7353



26.6290, 13.1409, 27.7607



2.6358, 1.2967, 2.9295



# Inverse Universe

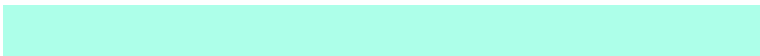
The Inverse Universe completely reimagines the original color for something new.



71.1803, 57.1476, 85.8771



67.4407, 50.6412, 81.6317



67.7222, 86.2958, 90.2793



18.5921, 18.2202, 21.7353



26.6290, 13.1409, 27.7607

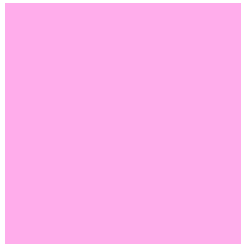


2.6358, 1.2967, 2.9295



# Previews

## White Background



This preview shows how the XYZ color 71.1790, 57.1453, 85.8759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

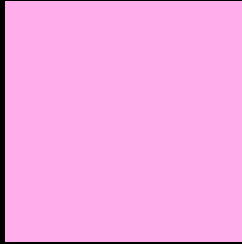
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1790, 57.1453, 85.8759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

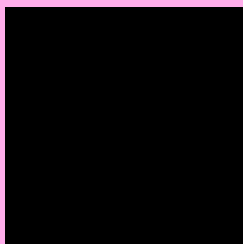
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.1790, 57.1453, 85.8759**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1790, 57.1453, 85.8759.



This preview shows how white text looks on a background with the XYZ color 71.1790, 57.1453,



# 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

71.1790, 57.1453, 85.8759

### Protanopia

57.7866, 57.3999, 100.1291

### Deuteranopia

58.8408, 57.6371, 83.6251



## Tritanopia

65.6858, 57.2668, 58.6305

# Trichromacy



**Original Color**  
71.1790, 57.1453, 85.8759



**Protanomaly**  
61.4817, 56.4691, 94.8480



**Deuteranomaly**  
62.7672, 57.0548, 84.0484

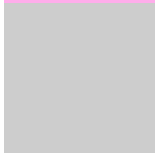


**Tritanomaly**  
67.5739, 57.1397, 67.7891

# Monochromacy



**Original Color**  
71.1790, 57.1453, 85.8759



**Achromatopsia**  
58.0276, 61.0496, 66.4830



**Achromatomaly**  
61.8961, 58.7858, 73.0503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1790, 57.1453, 85.8759 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, 173, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 235)  
}
```

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, 173, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1790, 57.1453, 85.8759 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, 173, 235) }
```



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

```
.border{ border-color:rgb(255, 173, 235) }
```

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

Here you see how a box with a 4 pixel rgb(255, 173, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1790, 57.1453, 85.8759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 235) }
```

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

```
.background{ background-color: rgb(255,  
173, 235) }
```

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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