

# Converting Colors

XYZ(73.6915, 65.7180, 83.5824)

Have a look what the booklet for  
XYZ(73.6915, 65.7180, 83.5824)  
contains.

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# Color

**XYZ(73.8065, 65.7023,  
83.6547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBC4E6
RGB	251, 196, 230
RGB Percent	98%, 77%, 90%
CMY	0.0157, 0.2313, 0.0980
CMYK	0.00, 0.22, 0.08, 0.02
HSL	323°, 87%, 88%
HSV	323°, 22%, 98%
XYZ	73.8065, 65.7023, 83.6547
YIQ	216.3210, 21.8660, 22.2340

# Conversions

## Conversions Part 2

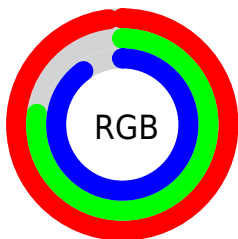
Format	Color
R <sub>Y</sub> B	251, 196, 230
Decimal	16499942
CIE Lab	84.84, 24.90, -9.31
CIE LCh	85, 26.583, 339.503
Yxy	65.7023, 0.3307, 0.2944
Android (android.graphics.Color)	4294690022 (0xFFFB4E6)
YUV	216.3210, 6.7437, 30.4135
Hunter-Lab	81.0570, 20.6837, -4.4503

# Details

The XYZ color **73.8065, 65.7023, 83.6547** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.7892, 85.7416, 78.5211**, and the grayscale version is **65.4357, 68.8435, 74.9705**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **39.5611, 33.8713, 44.4971** is the 20% darker color. If you saturate the color by 10%, you get **67.3027, 54.7891, 75.0281**, and if you desaturate by 10%, it is **81.3352, 78.5450, 92.9896**.

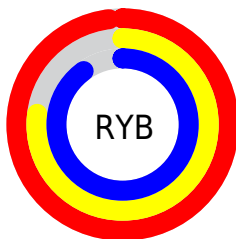
# Distribution



Red (98%)

Green (77%)

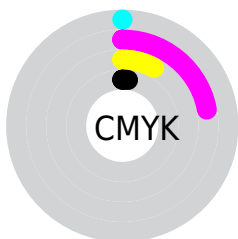
Blue (90%)



Red (98%)

Yellow (77%)

Blue (90%)

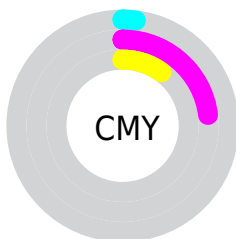


Cyan (0%)

Magenta (22%)

Yellow (8%)

Black (2%)



Cyan (2%)

Magenta (23%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8065, 65.7023, 83.6547 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 73.8065, 65.7023, 83.6547 by changing the saturation by 10% instead.



73.8065, 65.7023,  
83.6547

73.8065, 65.7023,  
83.6547

462.8659,  
445.3115, 527.1939

54.9264, 48.0308,  
62.1867

123.6184,  
113.0589, 140.3495

39.5764, 33.8513,  
44.7468

155.2810,  
143.5129, 176.4133

27.3912, 22.7794,  
30.9165

191.9351,  
178.9964, 218.1794

18.0053, 14.4307,  
20.2774

233.9461,  
219.8938, 266.0664

11.0535, 8.4208,  
12.4107

281.6793,  
266.5897, 320.4928

6.1704, 4.3654,  
6.8981

335.5001,

2.9906, 1.8800,

319.4683, 381.8772

3.3210

395.7738,  
378.9141, 450.6380

■ 1.1488, 0.5363,  
1.2608

■ 0.0654, 0.0000,  
0.0293

■ 73.8065, 65.7023,  
83.6547

■ 73.8065, 65.7023,  
83.6547

■ 67.3027, 54.7891,  
75.0281

■ 81.3352, 78.5450,  
92.9896

■ 61.7699, 45.7021,  
67.0837

■ 89.9280, 93.3967,  
103.0494

■ 57.1575, 38.3415,  
59.7995

■ 93.5940, 99.2494,  
108.8319

■ 53.4082, 32.5942,  
53.1503

■ 50.4576, 28.3339,  
47.1084

■ 48.2320, 25.4149,  
41.6427

■ 46.6424, 23.6617,  
36.7170

■ 45.7136, 22.8812,  
33.0865

# Harmonies

## Analogous

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



70.0234, 65.7023, 99.9612



73.8065, 65.7023, 83.6547



74.4435, 65.7023, 66.2571

# Triad

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



73.8065, 65.7023, 83.6547



60.5756, 65.7023, 43.8108



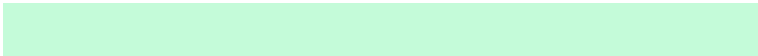
54.0182, 65.7023, 94.5071

# Complementary

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



73.8065, 65.7023, 83.6547



69.7892, 85.7416, 78.5211

# 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.



51.8159, 65.7023, 77.0936



73.8065, 65.7023, 83.6547



55.4398, 65.7023, 49.0897

# Square

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



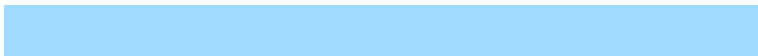
73.8065, 65.7023, 83.6547



66.5466, 65.7023, 44.9947



52.3192, 65.7023, 60.6529



58.5214, 65.7023, 106.8858



# Rectangle

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



73.8065, 65.7023, 83.6547



72.9599, 65.7023, 56.5657



52.3192, 65.7023, 60.6529



52.9977, 65.7023, 88.9449

# Sweetspot

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



73.8084, 65.7052, 83.6561



88.5395, 88.7040, 101.4117



65.5234, 61.0726, 99.6024



18.8365, 18.7884, 21.5719



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.



73.8084, 65.7052, 83.6561



73.6116, 63.2217, 82.9533



70.3452, 64.3200, 65.4191



17.6957, 17.4056, 20.2532



24.1020, 12.0565, 17.7773



2.2839, 1.1373, 1.9186



# Inverse Universe

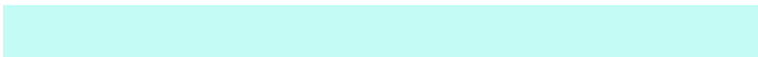
The Inverse Universe completely reimagines the original color for something new.



73.8084, 65.7052, 83.6561



73.6116, 63.2217, 82.9533



73.5428, 87.2431, 98.2877



17.6957, 17.4056, 20.2532



24.1020, 12.0565, 17.7773



2.2839, 1.1373, 1.9186



# Previews

## White Background



This preview shows how the XYZ color 73.8065, 65.7023, 83.6547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

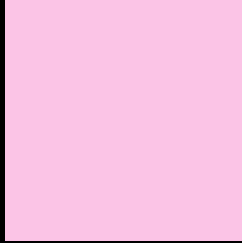
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8065, 65.7023, 83.6547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

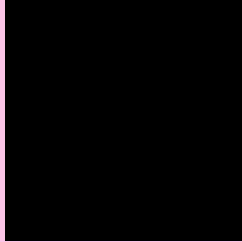
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.8065, 65.7023, 83.6547**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8065, 65.7023, 83.6547.



This preview shows how white text looks on a background with the XYZ color 73.8065, 65.7023,



# 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

73.8065, 65.7023, 83.6547

### Protanopia

64.8867, 66.2304, 91.0252

### Deuteranopia

67.1262, 65.7516, 82.5522



## Tritanopia

71.6279, 65.8416, 72.5518

# Trichromacy



## Original Color

73.8065, 65.7023, 83.6547



## Protanomaly

67.9521, 66.0460, 88.5236



## Deuteranomaly

69.1951, 65.3906, 83.1034



## Tritanomaly

72.5367, 65.8795, 76.6031

# Monochromacy



## Original Color

73.8065, 65.7023, 83.6547



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

68.1647, 67.4794, 77.8388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8065, 65.7023, 83.6547 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(251, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(251, 196, 230)  
}
```

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(251, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 196, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8065, 65.7023, 83.6547 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(251, 196, 230) }
```



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

```
.border{ border-color:rgb(251, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(251, 196,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8065, 65.7023, 83.6547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 196, 230) }
```

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

```
.background{ background-color: rgb(251,  
196, 230) }
```

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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