

Converting Colors

XYZ(74.5860, 63.6114, 88.0842)

Have a look what the booklet for
XYZ(74.5860, 63.6114, 88.0842)
contains.

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Color

**XYZ(74.5779, 63.7113,
87.7237)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBDEC
RGB	255, 189, 236
RGB Percent	100%, 74%, 93%
CMY	0.0000, 0.2588, 0.0745
CMYK	0.00, 0.26, 0.07, 0.00
HSL	317°, 100%, 87%
HSV	317°, 26%, 100%
XYZ	74.5779, 63.7113, 87.7237
YIQ	214.0920, 24.2490, 28.6090

Conversions

Conversions Part 2

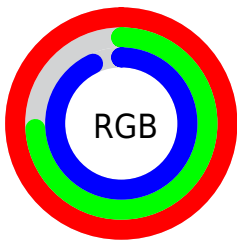
Format	Color
R _Y B	255, 189, 236
Decimal	16760300
CIE _{Lab}	83.82, 30.93, -14.01
CIE _{LCh}	84, 33.955, 335.639
Y _{xy}	63.7113, 0.3300, 0.2819
Android (android.graphics.Color)	4294950380 (0xFFFFBDEC)
YUV	214.0920, 10.8006, 35.8763
Hunter-Lab	79.8194, 27.0947, -9.2878

Details

The XYZ color **74.5779, 63.7113, 87.7237** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.1335, 86.8939, 72.8587**, and the grayscale version is **63.8980, 67.2256, 73.2087**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **40.1909, 32.6290, 47.3598** is the 20% darker color. If you saturate the color by 10%, you get **68.5226, 53.2726, 80.5512**, and if you desaturate by 10%, it is **81.6442, 76.1014, 95.4512**.

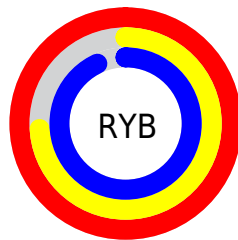
Distribution



Red (100%)

Green (74%)

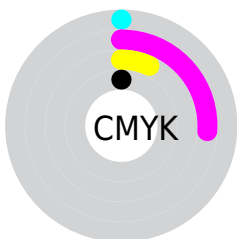
Blue (93%)



Red (100%)

Yellow (74%)

Blue (93%)

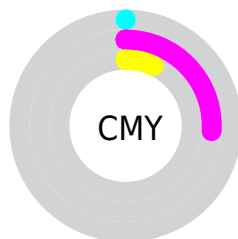


Cyan (0%)

Magenta (26%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.5779, 63.7113, 87.7237 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 74.5779, 63.7113, 87.7237 by changing the saturation by 10% instead.


 74.5779, 63.7113,
87.7237

 74.5779, 63.7113,
87.7237


465.4851,
438.1464, 540.9758

 55.5601, 46.4169,
65.5312


 124.7058,
110.1951, 146.0802

 40.0860, 32.5749,
47.4379


156.5466,
140.1532, 183.0813

 27.7901, 21.8010,
33.0251


193.3925,
175.1013, 225.8557

 18.3071, 13.7108,
21.8744

235.6087,
215.4239, 274.8219

 11.2717, 7.9198,
13.5672

283.5608,
261.5053, 330.3985

 6.3186, 4.0437,
7.6850

337.6140,

 3.0822, 1.6980,

313.7299, 393.0039

3.8092

398.1336,
372.4821, 463.0569

■ 1.1974, 0.4224,
1.5213

■ 0.1043, 0.0000,
0.2337

■ 74.5779, 63.7113,
87.7237

■ 74.5779, 63.7113,
87.7237

■ 68.5226, 53.2726,
80.5512

■ 81.6442, 76.1014,
95.4512

■ 63.4230, 44.6761,
73.9102

■ 89.7645, 90.5287,
103.7480

■ 59.2249, 37.8142,
67.7808

95.0500, 100.0000,
108.9000

■ 55.8668, 32.5646,
62.1400

■ 53.2790, 28.7890,
56.9617

■ 51.3804, 26.3259,
52.2161

■ 50.0703, 24.9746,
47.8668

■ 49.6411, 24.6204,
46.1694

Harmonies

Analogous

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



69.2997, 63.7113, 108.3781



74.5779, 63.7113, 87.7237



75.9735, 63.7113, 65.4140

Triad

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



74.5779, 63.7113, 87.7237



59.1578, 63.7113, 36.0066



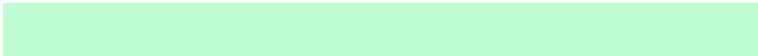
49.6351, 63.7113, 96.1518

Complementary

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



74.5779, 63.7113, 87.7237



68.1335, 86.8939, 72.8587

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.



47.3790, 63.7113, 73.4840



74.5779, 63.7113, 87.7237



52.5800, 63.7113, 41.0652

Square

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



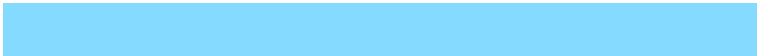
74.5779, 63.7113, 87.7237



66.6642, 63.7113, 38.2860



48.4114, 63.7113, 53.7747



54.8322, 63.7113, 113.9015

Rectangle

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



74.5779, 63.7113, 87.7237



74.4228, 63.7113, 53.0775



48.4114, 63.7113, 53.7747



48.5279, 63.7113, 88.6976

Sweetspot

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



74.5793, 63.7139, 87.7250



87.9527, 87.2954, 101.9406



62.1782, 56.9848, 102.3298



18.5566, 18.2060, 21.5483



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.



74.5793, 63.7139, 87.7250



71.3555, 58.1311, 83.9843



70.2547, 61.9841, 64.9517



18.5566, 18.2060, 21.5483



26.0064, 12.8918, 24.4817



2.5795, 1.2742, 2.6329

Inverse Universe

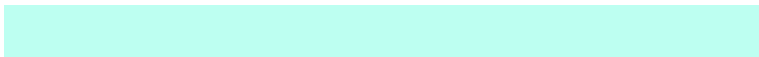
The Inverse Universe completely reimagines the original color for something new.



74.5793, 63.7139, 87.7250



71.3555, 58.1311, 83.9843



72.5803, 88.6726, 96.2755



18.5566, 18.2060, 21.5483



26.0064, 12.8918, 24.4817



2.5795, 1.2742, 2.6329

Previews

White Background



This preview shows how the XYZ color 74.5779, 63.7113, 87.7237 looks on a white background.

Color Contrast Check

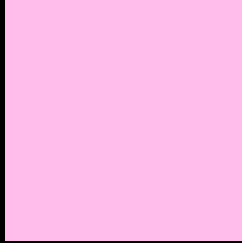
Large Text (above 18pt) WCAG AA × Fail

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 74.5779, 63.7113, 87.7237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

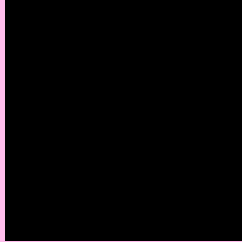
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.5779, 63.7113, 87.7237

Background



This preview shows how black text looks on a background with the XYZ color 74.5779, 63.7113, 87.7237.



This preview shows how white text looks on a background with the XYZ color 74.5779, 63.7113,

87.7237.

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

74.5779, 63.7113, 87.7237

Protanopia

63.5865, 64.3066, 97.8680

Deuteranopia

65.2143, 63.9743, 86.0019



Tritanopia

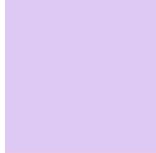
70.5841, 63.6963, 68.8960

Trichromacy



Original Color

74.5779, 63.7113, 87.7237



Protanomaly

67.0346, 63.6771, 94.3458



Deuteranomaly

68.2297, 63.7763, 86.5559



Tritanomaly

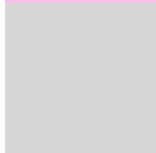
71.7807, 63.5092, 75.4931

Monochromacy



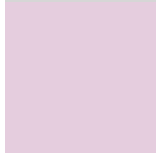
Original Color

74.5779, 63.7113, 87.7237



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

67.3292, 65.5946, 78.2196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5779, 63.7113, 87.7237 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, 189, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 236)  
}
```

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, 189, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 236) }
```

Border

The CSS property to change the border of an element to XYZ 74.5779, 63.7113, 87.7237 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, 189, 236) }
```


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

```
.border{ border-color:rgb(255, 189, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5779, 63.7113, 87.7237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 236) }
```

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

```
.background{ background-color: rgb(255,  
189, 236) }
```

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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