

Converting Colors

XYZ(77.2645, 65.8469, 88.2716)

Have a look what the booklet for
XYZ(77.2645, 65.8469, 88.2716)
contains.

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Color

**XYZ(75.0111, 64.5777,
87.8681)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBFEC
RGB	255, 191, 236
RGB Percent	100%, 75%, 93%
CMY	0.0000, 0.2510, 0.0745
CMYK	0.00, 0.25, 0.07, 0.00
HSL	318°, 100%, 87%
HSV	318°, 25%, 100%
XYZ	75.0111, 64.5777, 87.8681
YIQ	215.2660, 23.6990, 27.5630

Conversions

Conversions Part 2

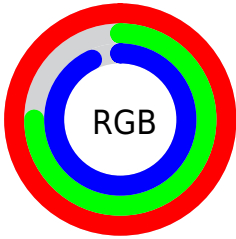
Format	Color
R _Y B	255, 191, 236
Decimal	16760812
CIE Lab	84.27, 29.88, -13.33
CIE LCh	84, 32.720, 335.956
Yxy	64.5777, 0.3298, 0.2839
Android (android.graphics.Color)	4294950892 (0xFFFFBFEC)
YUV	215.2660, 10.2219, 34.8467
Hunter-Lab	80.3603, 25.9878, -8.5771

Details

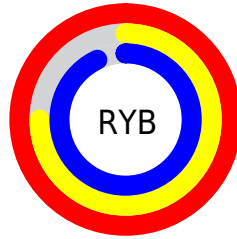
The XYZ color **75.0111, 64.5777, 87.8681** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.8808, 87.2505, 74.1864**, and the grayscale version is **64.6945, 68.0637, 74.1213**.

A 20% lighter version of the original color is **92.8574, 95.6148, 108.1691**, and **40.4726, 33.1924, 47.4536** is the 20% darker color. If you saturate the color by 10%, you get **68.8500, 53.9785, 80.5027**, and if you desaturate by 10%, it is **82.1898, 77.1370, 95.8044**.

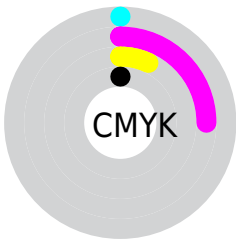
Distribution



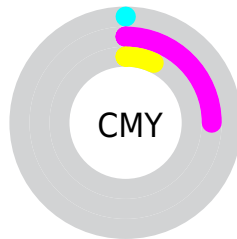
- Red (100%)
- Green (75%)
- Blue (93%)



- Red (100%)
- Yellow (75%)
- Blue (93%)



- Cyan (0%)
- Magenta (25%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0111, 64.5777, 87.8681 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 75.0111, 64.5777, 87.8681 by changing the saturation by 10% instead.


 75.0111, 64.5777,
87.8681

 75.0111, 64.5777,
87.8681


466.9523,
441.2729, 541.4613

 55.9162, 47.1187,
65.6501

 125.3159,
111.4425, 146.2830

 40.3725, 33.1295,
47.5337

157.2565,
141.6171, 183.3171

 28.0146, 22.2257,
33.1004


194.2097,
176.7991, 226.1269

 18.4772, 14.0228,
21.9317

236.5409,
217.3728, 275.1310

 11.3949, 8.1365,
13.6088

284.6154,
263.7226, 330.7479

 6.4023, 4.1824,
7.7135

338.7985,

 3.1342, 1.7761,

316.2330, 393.3963

3.8270

399.4557,
375.2883, 463.4946

■ 1.2251, 0.4722,
1.5309

■ 0.1261, 0.0000,
0.2408

■ 75.0111, 64.5777,
87.8681

■ 75.0111, 64.5777,
87.8681

■ 68.8500, 53.9785,
80.5027

■ 82.1898, 77.1370,
95.8044

■ 63.6514, 45.2309,
73.6846

■ 90.4289, 91.7417,
104.3262

■ 59.3616, 38.2279,
67.3937

95.0500, 100.0000,
108.9000

■ 55.9193, 32.8483,
61.6068

■ 53.2558, 28.9554,
56.2980

■ 51.2909, 26.3896,
51.4374

■ 49.9257, 24.9546,
46.9891

■ 49.4065, 24.5266,
44.9343

Harmonies

Analogous

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



69.9341, 64.5777, 107.8373



75.0111, 64.5777, 87.8681



76.3152, 64.5777, 66.2519

Triad

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



75.0111, 64.5777, 87.8681



59.9439, 64.5777, 37.6102



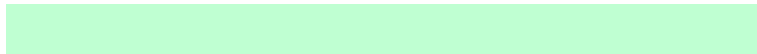
50.7719, 64.5777, 96.4592

Complementary

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



75.0111, 64.5777, 87.8681



68.8808, 87.2505, 74.1864

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.



48.5313, 64.5777, 74.5391



75.0111, 64.5777, 87.8681



53.5520, 64.5777, 42.6941

Square

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



75.0111, 64.5777, 87.8681



67.2362, 64.5777, 39.7917



49.5077, 64.5777, 55.2691



55.8725, 64.5777, 113.4415

Rectangle

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



75.0111, 64.5777, 87.8681



74.7866, 64.5777, 54.2469



49.5077, 64.5777, 55.2691



49.6783, 64.5777, 89.2767

Sweetspot

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



75.0126, 64.5803, 87.8694



87.9240, 87.2839, 101.7898



63.0155, 58.0595, 102.4931



18.5494, 18.2031, 21.5102



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.



75.0126, 64.5803, 87.8694



71.8666, 59.1427, 84.1868



70.8760, 62.9257, 66.0865



18.5494, 18.2031, 21.5102



25.8848, 12.8432, 23.8416



2.5684, 1.2697, 2.5746

Inverse Universe

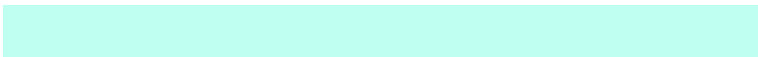
The Inverse Universe completely reimagines the original color for something new.



75.0126, 64.5803, 87.8694



71.8666, 59.1427, 84.1868



73.1446, 88.9560, 96.6396



18.5494, 18.2031, 21.5102



25.8848, 12.8432, 23.8416



2.5684, 1.2697, 2.5746

Previews

White Background



This preview shows how the XYZ color 75.0111, 64.5777, 87.8681 looks on a white background.

Color Contrast Check

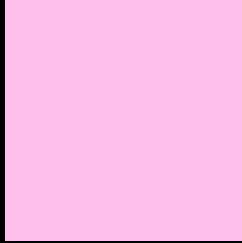
Large Text (above 18pt) WCAG AA × Fail

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 75.0111, 64.5777, 87.8681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

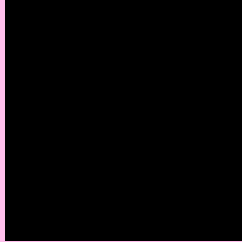
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.0111, 64.5777, 87.8681

Background



This preview shows how black text looks on a background with the XYZ color 75.0111, 64.5777, 87.8681.



This preview shows how white text looks on a background with the XYZ color 75.0111, 64.5777,

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

75.0111, 64.5777, 87.8681

Protanopia

64.3723, 65.0747, 97.9748

Deuteranopia

66.0545, 64.7615, 86.1096



Tritanopia

71.4179, 64.4288, 70.2999

Trichromacy



Original Color

75.0111, 64.5777, 87.8681



Protanomaly

67.5739, 64.3023, 94.4380



Deuteranomaly

69.1098, 64.5727, 86.6632



Tritanomaly

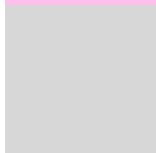
72.7181, 64.6335, 76.3530

Monochromacy



Original Color

75.0111, 64.5777, 87.8681



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

68.0237, 66.2933, 79.0227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0111, 64.5777, 87.8681 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, 191, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 236) }
```

Border

The CSS property to change the border of an element to XYZ 75.0111, 64.5777, 87.8681 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, 191, 236) }
```


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

```
.border{ border-color:rgb(255, 191, 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, 191, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0111, 64.5777, 87.8681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 236) }
```

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

```
.background{ background-color: rgb(255,  
191, 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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