

Converting Colors

XYZ(74.6825, 64.0469, 87.3687)

Have a look what the booklet for
XYZ(74.6825, 64.0469, 87.3687)
contains.

XYZ(74.6489, 64.0851, 87.0325)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.6489, 64.0851,
87.0325)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBEEB
RGB	255, 190, 235
RGB Percent	100%, 75%, 92%
CMY	0.0000, 0.2549, 0.0784
CMYK	0.00, 0.25, 0.08, 0.00
HSL	318°, 100%, 87%
HSV	318°, 25%, 100%
XYZ	74.6489, 64.0851, 87.0325
YIQ	214.5650, 24.2950, 27.7750

Conversions

Conversions Part 2

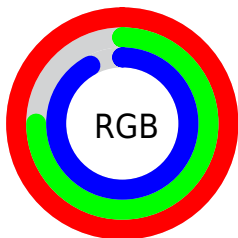
Format	Color
R_{YB}	255, 190, 235
Decimal	16760555
CIE _{Lab}	84.01, 30.24, -13.18
CIE _{LCh}	84, 32.986, 336.449
Yxy	64.0851, 0.3306, 0.2839
Android (android.graphics.Color)	4294950635 (0xFFFFBEEB)
YUV	214.5650, 10.0745, 35.4615
Hunter-Lab	80.0532, 26.3567, -8.4219

Details

The XYZ color **74.6489, 64.0851, 87.0325** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.6301, 87.1213, 74.1748**, and the grayscale version is **64.2213, 67.5658, 73.5792**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **40.2295, 32.8688, 46.8718** is the 20% darker color. If you saturate the color by 10%, you get **68.4927, 53.5470, 79.5107**, and if you desaturate by 10%, it is **81.8241, 76.5808, 95.1424**.

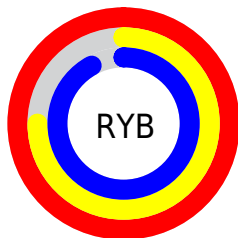
Distribution



Red (100%)

Green (75%)

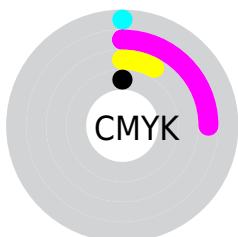
Blue (92%)



Red (100%)

Yellow (75%)

Blue (92%)

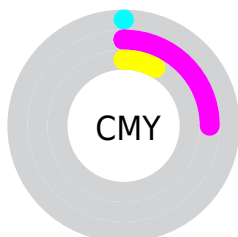


Cyan (0%)

Magenta (25%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.6489, 64.0851, 87.0325 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 74.6489, 64.0851, 87.0325 by changing the saturation by 10% instead.


 74.6489, 64.0851,
87.0325

 74.6489, 64.0851,
87.0325


465.7257,
439.4969, 538.6486

 55.6185, 46.7196,
64.9623


 124.8058,
110.7335, 145.1087

 40.1329, 32.8140,
46.9794


156.6630,
140.7852, 181.9518

 27.8269, 21.9840,
32.6651


193.5265,
175.8344, 224.5563

 18.3350, 13.8452,
21.6010

235.7616,
216.2655, 273.3408

 11.2919, 8.0131,
13.3685

283.7337,
262.4629, 328.7237

 6.3323, 4.1033,
7.5491

337.8082,

 3.0907, 1.7315,

314.8110, 391.1236

3.7242

398.3504,
373.6942, 460.9591

■ 1.2019, 0.4439,
1.4753

■ 0.1079, 0.0000,
0.1994

■ 74.6489, 64.0851,
87.0325

■ 74.6489, 64.0851,
87.0325

■ 68.4927, 53.5470,
79.5107

■ 81.8241, 76.5808,
95.1424

■ 63.3003, 44.8577,
72.5530

■ 90.0614, 91.1199,
103.8552

■ 59.0176, 37.9098,
66.1389

95.0500, 100.0000,
108.9000

■ 55.5832, 32.5816,
60.2446

■ 52.9278, 28.7355,
54.8438

■ 50.9705, 26.2110,
49.9061

■ 49.6116, 24.8095,
45.3947

■ 49.1296, 24.4158,
43.4762

Harmonies

Analogous

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



69.6014, 64.0851, 107.2001



74.6489, 64.0851, 87.0325



75.8882, 64.0851, 65.3760

Triad

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



74.6489, 64.0851, 87.0325



59.3539, 64.0851, 37.0709



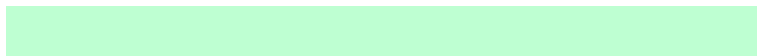
50.3417, 64.0851, 96.3749

Complementary

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



74.6489, 64.0851, 87.0325



68.6301, 87.1213, 74.1748

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.



48.0466, 64.0851, 74.3729



74.6489, 64.0851, 87.0325



52.9758, 64.0851, 42.2686

Square

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



74.6489, 64.0851, 87.0325



66.6705, 64.0851, 39.1297



48.9712, 64.0851, 54.9691



55.4931, 64.0851, 113.3007

Rectangle

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



74.6489, 64.0851, 87.0325



74.3072, 64.0851, 53.4184



48.9712, 64.0851, 54.9691



49.2301, 64.0851, 89.1766

Sweetspot

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



74.6503, 64.0877, 87.0338



87.8896, 87.2701, 101.6086



62.9021, 57.6784, 102.4255



18.5407, 18.1996, 21.4644



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.



74.6503, 64.0877, 87.0338



71.1336, 58.0423, 82.8158



70.4348, 62.4015, 64.8353



18.5407, 18.1996, 21.4644



25.7412, 12.7858, 23.0855



2.5553, 1.2645, 2.5055

Inverse Universe

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



74.6503, 64.0877, 87.0338



71.1336, 58.0423, 82.8158



73.0239, 88.8788, 97.3119



18.5407, 18.1996, 21.4644



25.7412, 12.7858, 23.0855



2.5553, 1.2645, 2.5055

Previews

White Background



This preview shows how the XYZ color 74.6489, 64.0851, 87.0325 looks on a white background.

Color Contrast Check

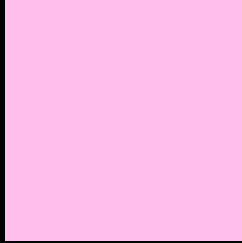
Large Text (above 18pt) WCAG AA × Fail

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 74.6489, 64.0851, 87.0325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

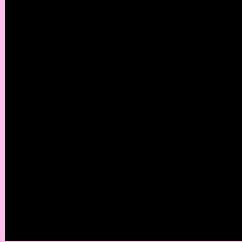
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.6489, 64.0851, 87.0325

Background



This preview shows how black text looks on a background with the XYZ color 74.6489, 64.0851, 87.0325.



This preview shows how white text looks on a background with the XYZ color 74.6489, 64.0851,

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

74.6489, 64.0851, 87.0325

Protanopia

63.7015, 64.3837, 97.0656

Deuteranopia

65.6736, 64.2276, 85.2797



Tritanopia

71.2928, 64.3788, 69.6416

Trichromacy



Original Color

74.6489, 64.0851, 87.0325



Protanomaly

66.8831, 63.6165, 93.5481



Deuteranomaly

68.7357, 64.0537, 85.8316



Tritanomaly

72.3642, 64.1370, 75.5835

Monochromacy



Original Color

74.6489, 64.0851, 87.0325



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

67.8893, 66.2395, 78.3146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6489, 64.0851, 87.0325 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, 190, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 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, 190, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 235) }
```

Border

The CSS property to change the border of an element to XYZ 74.6489, 64.0851, 87.0325 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, 190, 235) }
```


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

```
.border{ border-color:rgb(255, 190, 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, 190, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6489, 64.0851, 87.0325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 235) }
```

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

```
.background{ background-color: rgb(255,  
190, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor