

Converting Colors

XYZ(74.4782, 63.6728, 87.1942)

Have a look what the booklet for
XYZ(74.4782, 63.6728, 87.1942)
contains.

XYZ(74.4330, 63.6534, 86.9605)	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(74.4330, 63.6534,
86.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBDEB
RGB	255, 189, 235
RGB Percent	100%, 74%, 92%
CMY	0.0000, 0.2588, 0.0784
CMYK	0.00, 0.26, 0.08, 0.00
HSL	318°, 100%, 87%
HSV	318°, 26%, 100%
XYZ	74.4330, 63.6534, 86.9605
YIQ	213.9780, 24.5700, 28.2980

Conversions

Conversions Part 2

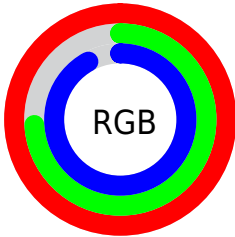
Format	Color
R _Y B	255, 189, 235
Decimal	16760299
CIE Lab	83.78, 30.76, -13.52
CIE LCh	84, 33.602, 336.280
Yxy	63.6534, 0.3307, 0.2828
Android (android.graphics.Color)	4294950379 (0xFFFFBDEB)
YUV	213.9780, 10.3638, 35.9763
Hunter-Lab	79.7831, 26.9098, -8.7757

Details

The XYZ color **74.4330, 63.6534, 86.9605** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.2570, 86.9433, 73.5090**, and the grayscale version is **63.8241, 67.1479, 73.1240**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **40.0894, 32.5884, 46.8251** is the 20% darker color. If you saturate the color by 10%, you get **68.3302, 53.1956, 79.5375**, and if you desaturate by 10%, it is **81.5515, 76.0644, 94.9630**.

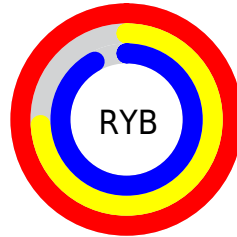
Distribution



Red (100%)

Green (74%)

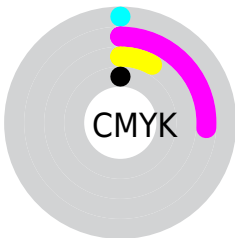
Blue (92%)



Red (100%)

Yellow (74%)

Blue (92%)

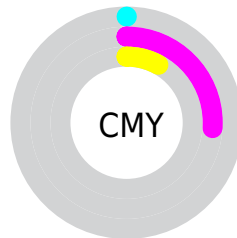


Cyan (0%)

Magenta (26%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.4330, 63.6534, 86.9605 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 74.4330, 63.6534, 86.9605 by changing the saturation by 10% instead.


 74.4330, 63.6534,
86.9605

 74.4330, 63.6534,
86.9605


464.9937,
437.9369, 538.4059

 55.4410, 46.3700,
64.9031

 124.5016,
110.1116, 145.0075

 39.9902, 32.5379,
46.9316

156.3090,
140.0552, 181.8341

 27.7151, 21.7727,
32.6277


193.1189,
174.9877, 224.4209

 18.2503, 13.6900,
21.5726

235.2967,
215.2935, 273.1863

 11.2306, 7.9054,
13.3479

283.2077,
261.3569, 328.5490

 6.2906, 4.0344,
7.5350

337.2173,

 3.0649, 1.6928,

313.5623, 390.9275

3.7154

397.6909,
372.2942, 460.7403

■ 1.1882, 0.4190,
1.4705

■ 0.0970, 0.0000,
0.1958

■ 74.4330, 63.6534,
86.9605

■ 74.4330, 63.6534,
86.9605

■ 68.3302, 53.1956,
79.5375

■ 81.5515, 76.0644,
94.9630

■ 63.1876, 44.5820,
72.6702

■ 89.7288, 90.5145,
103.5598

■ 58.9509, 37.7046,
66.3380

95.0500, 100.0000,
108.9000

■ 55.5587, 32.4414,
60.5175

■ 52.9411, 28.6539,
55.1821

■ 51.0169, 26.1804,
50.3015

■ 49.6852, 24.8206,
45.8389

■ 49.2482, 24.4633,
44.1008

Harmonies

Analogous

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



69.2850, 63.6534, 107.4689



74.4330, 63.6534, 86.9605



75.7180, 63.6534, 64.9598

Triad

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



74.4330, 63.6534, 86.9605



58.9628, 63.6534, 36.2715



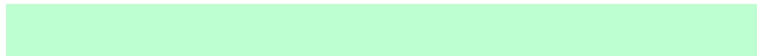
49.7748, 63.6534, 96.2217

Complementary

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



74.4330, 63.6534, 86.9605



68.2570, 86.9433, 73.5090

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.



47.4723, 63.6534, 73.8455



74.4330, 63.6534, 86.9605



52.4920, 63.6534, 41.4549

Square

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



74.4330, 63.6534, 86.9605



66.3857, 63.6534, 38.3807



48.4253, 63.6534, 54.2218



54.9741, 63.6534, 113.5305

Rectangle

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



74.4330, 63.6534, 86.9605



74.1260, 63.6534, 52.8376



48.4253, 63.6534, 54.2218



48.6565, 63.6534, 88.8875

Sweetspot

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



74.4345, 63.6560, 86.9618



87.9044, 87.2761, 101.6866



62.4880, 57.1446, 102.3443



18.5444, 18.2011, 21.4842



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.



74.4345, 63.6560, 86.9618



71.1856, 58.0631, 83.0897



70.1238, 61.9318, 64.2625



18.5444, 18.2011, 21.4842



25.8027, 12.8104, 23.4094



2.5609, 1.2667, 2.5351

Inverse Universe

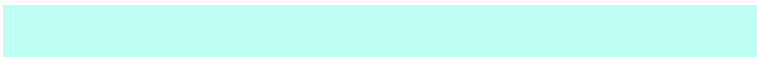
The Inverse Universe completely reimagines the original color for something new.



74.4345, 63.6560, 86.9618



71.1856, 58.0631, 83.0897



72.7449, 88.7385, 97.1421



18.5444, 18.2011, 21.4842



25.8027, 12.8104, 23.4094



2.5609, 1.2667, 2.5351

Previews

White Background



This preview shows how the XYZ color 74.4330, 63.6534, 86.9605 looks on a white background.

Color Contrast Check

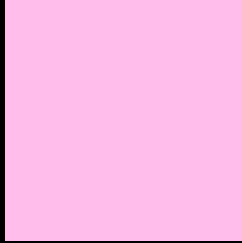
Large Text (above 18pt) WCAG AA × Fail

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 74.4330, 63.6534, 86.9605 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 74.4330, 63.6534, 86.9605

Background



This preview shows how black text looks on a background with the XYZ color 74.4330, 63.6534, 86.9605.



This preview shows how white text looks on a background with the XYZ color 74.4330, 63.6534,

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

74.4330, 63.6534, 86.9605

Protanopia

63.1887, 63.7586, 96.9719

Deuteranopia

65.3718, 64.0720, 85.2656



Tritanopia

70.9453, 63.8825, 68.9129

Trichromacy



Original Color

74.4330, 63.6534, 86.9605



Protanomaly

66.6507, 63.1518, 93.4707



Deuteranomaly

68.4101, 63.8858, 85.8164



Tritanomaly

72.0125, 63.6439, 74.8187

Monochromacy



Original Color

74.4330, 63.6534, 86.9605



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 74.4330, 63.6534, 86.9605 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 235) }
```

Border

The CSS property to change the border of an element to XYZ 74.4330, 63.6534, 86.9605 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, 235) }
```


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

```
.border{ border-color:rgb(255, 189, 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, 189, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 74.4330, 63.6534, 86.9605 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, 235) }
```

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

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