

Converting Colors

XYZ(81.6805, 76.6620, 93.8839)

Have a look what the booklet for
XYZ(81.6805, 76.6620, 93.8839)
contains.

XYZ(81.6731, 76.7226, 93.7234)	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(81.6731, 76.7226,
93.7234)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD8F1
RGB	255, 216, 241
RGB Percent	100%, 85%, 95%
CMY	0.0000, 0.1529, 0.0549
CMYK	0.00, 0.15, 0.05, 0.00
HSL	322°, 100%, 92%
HSV	322°, 15%, 100%
XYZ	81.6731, 76.7226, 93.7234
YIQ	230.5110, 15.2190, 16.0430

Conversions

Conversions Part 2

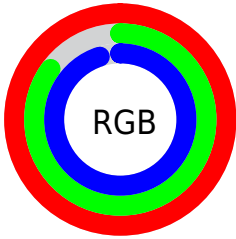
Format	Color
R_{YB}	255, 216, 241
Decimal	16767217
CIE _{Lab}	90.19, 17.62, -7.16
CIE _{LCh}	90, 19.020, 337.893
Yxy	76.7226, 0.3239, 0.3043
Android (android.graphics.Color)	4294957297 (0xFFFFD8F1)
YUV	230.5110, 5.1711, 21.4769
Hunter-Lab	87.5914, 13.1542, -2.1267

Details

The XYZ color **81.6731, 76.7226, 93.7234** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.3642, 91.8332, 88.4615**, and the grayscale version is **75.5488, 79.4833, 86.5573**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7905, 40.9983, 51.4517** is the 20% darker color. If you saturate the color by 10%, you get **74.3070, 64.1239, 84.6909**, and if you desaturate by 10%, it is **90.1250, 91.3824, 103.4590**.

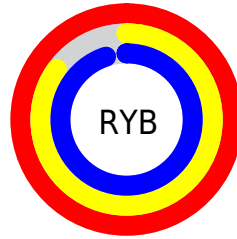
Distribution



Red (100%)

Green (85%)

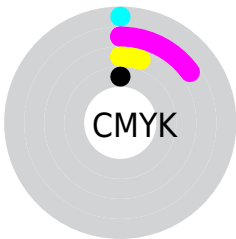
Blue (95%)



Red (100%)

Yellow (85%)

Blue (95%)

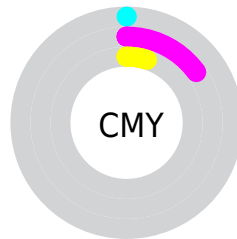


Cyan (0%)

Magenta (15%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6731, 76.7226, 93.7234 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 81.6731, 76.7226, 93.7234 by changing the saturation by 10% instead.


 81.6731, 76.7226,
93.7234

 81.6731, 76.7226,
93.7234


489.2047,
483.8177, 560.9496

 61.4093, 57.0252,
70.4819


134.6537,
128.7478, 154.4801

 44.8094, 41.0255,
51.4403


168.1012,
161.8445, 192.8324

 31.5079, 28.3390,
36.1800


206.6740,
200.1763, 237.0587

 21.1397, 18.5814,
24.2824

250.7374,
244.1278, 287.5776

 13.3392, 11.3682,
15.3291

300.6569,
294.0833, 344.8076

 7.7411, 6.3150,
8.9015

356.7976,

 3.9801, 3.0376,

350.4272, 409.1672

4.5811

419.5251,
413.5438, 481.0750

■ 1.6909, 1.1514,
1.9492

■ 0.4506, 0.0215,
0.5238

■ 81.6731, 76.7226,
93.7234

■ 81.6731, 76.7226,
93.7234

■ 74.3070, 64.1239,
84.6909

■ 90.1250, 91.3824,
103.4590

■ 67.9741, 53.4835,
76.3358

95.0500, 100.0000,
108.9000

■ 62.6248, 44.7036,
68.6378

■ 58.2032, 37.6740,
61.5729

■ 54.6478, 32.2733,
55.1153

■ 51.8888, 28.3641,
49.2365

■ 49.8454, 25.7860,
43.9040

■ 48.4177, 24.3416,
39.0786

■ 47.8919, 23.9208,
36.9585

Harmonies

Analogous

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



78.6495, 76.7226, 105.8133



81.6731, 76.7226, 93.7234



82.3025, 76.7226, 80.0133

Triad

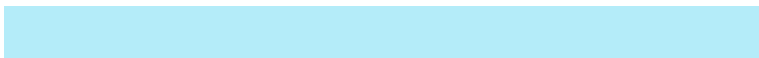
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6731, 76.7226, 93.7234



71.6812, 76.7226, 60.3127



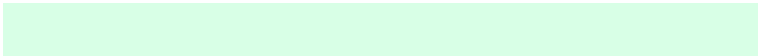
65.9814, 76.7226, 100.5700

Complementary

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



81.6731, 76.7226, 93.7234



78.3642, 91.8332, 88.4615

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.



64.2837, 76.7226, 87.1645



81.6731, 76.7226, 93.7234



67.4805, 76.7226, 64.6310

Square

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



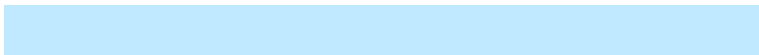
81.6731, 76.7226, 93.7234



76.3973, 76.7226, 61.6644



64.8204, 76.7226, 74.1184



69.5547, 76.7226, 110.0543

Rectangle

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



81.6731, 76.7226, 93.7234



81.2555, 76.7226, 71.9406



64.8204, 76.7226, 74.1184



65.1797, 76.7226, 96.3190

Sweetspot

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



81.6748, 76.7257, 93.7250



90.3883, 91.8419, 103.7538



75.1295, 73.1005, 104.7578



19.2115, 19.4218, 22.0559



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.



81.6748, 76.7257, 93.7250



79.5745, 73.1138, 91.2102



78.9627, 75.6409, 79.4437



18.4996, 18.1832, 21.2482



25.0985, 12.5287, 19.7010



2.4960, 1.2408, 2.1934

Inverse Universe

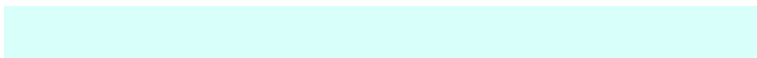
The Inverse Universe completely reimagines the original color for something new.



81.6748, 76.7257, 93.7250



79.5745, 73.1138, 91.2102



81.2031, 92.9688, 103.4109



18.4996, 18.1832, 21.2482



25.0985, 12.5287, 19.7010



2.4960, 1.2408, 2.1934

Previews

White Background



This preview shows how the XYZ color 81.6731, 76.7226, 93.7234 looks on a white background.

Color Contrast Check

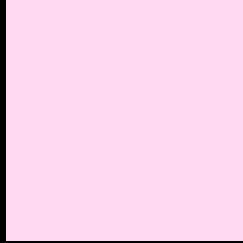
Large Text (above 18pt) WCAG AA × Fail

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 81.6731, 76.7226, 93.7234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

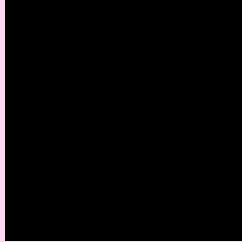
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6731, 76.7226, 93.7234

Background



This preview shows how black text looks on a background with the XYZ color 81.6731, 76.7226, 93.7234.



This preview shows how white text looks on a background with the XYZ color 81.6731, 76.7226,

93.7234.

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

81.6731, 76.7226, 93.7234

Protanopia

75.0362, 77.1157, 98.9257

Deuteranopia

78.2835, 76.5324, 93.0843



Tritanopia

80.5372, 76.6371, 88.3896

Trichromacy



Original Color

81.6731, 76.7226, 93.7234

Protanomaly

77.1948, 76.6680, 97.1160

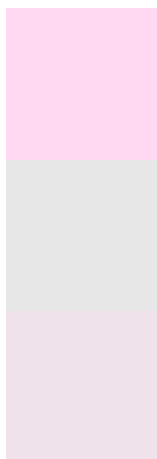
Deuteranomaly

79.4175, 76.7285, 93.0624

Tritanomaly

80.9720, 76.8110, 90.6791

Monochromacy



Original Color

81.6731, 76.7226, 93.7234

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

78.1269, 78.9161, 89.7119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6731, 76.7226, 93.7234 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, 216, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 241)  
}
```

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, 216, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 241) }
```

Border

The CSS property to change the border of an element to XYZ 81.6731, 76.7226, 93.7234 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, 216, 241) }
```


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

```
.border{ border-color:rgb(255, 216, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6731, 76.7226, 93.7234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 241) }
```

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

```
.background{ background-color: rgb(255,  
216, 241) }
```

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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