

Converting Colors

XYZ(73.8396, 74.8579,
101.3398)

Have a look what the booklet for
XYZ(73.8396, 74.8579, 101.3398)
contains.

XYZ(73.8080, 74.8327, 100.9965)	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(73.8080, 74.8327,
100.9965)**

Conversions

Conversions Part 1

Format	Color
Hex	DFDEFA
RGB	223, 222, 250
RGB Percent	87%, 87%, 98%
CMY	0.1255, 0.1294, 0.0196
CMYK	0.11, 0.11, 0.00, 0.02
HSL	242°, 74%, 93%
HSV	242°, 11%, 98%
XYZ	73.8080, 74.8327, 100.9965
YIQ	225.4910, -8.3920, 8.9200

Conversions

Conversions Part 2

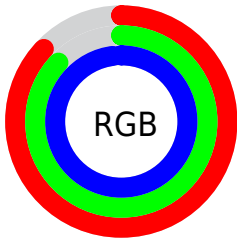
Format	Color
R _Y B	223, 222, 250
Decimal	14671610
CIE Lab	89.31, 5.63, -13.47
CIE LCh	89, 14.604, 292.697
Yxy	74.8327, 0.2957, 0.2998
Android (android.graphics.Color)	4292861690 (0xFFDFDEFA)
YUV	225.4910, 12.0829, -2.1846
Hunter-Lab	86.5059, 0.9133, -8.6675

Details

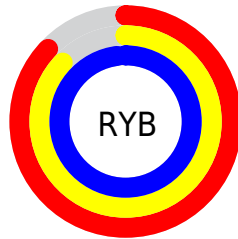
The XYZ color **73.8080, 74.8327, 100.9965** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.4401, 93.7869, 82.6577**, and the grayscale version is **71.8433, 75.5847, 82.3118**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7048, 39.8573, 56.6395** is the 20% darker color. If you saturate the color by 10%, you get **60.7475, 58.9644, 98.6231**, and if you desaturate by 10%, it is **88.9152, 93.2216, 103.7508**.

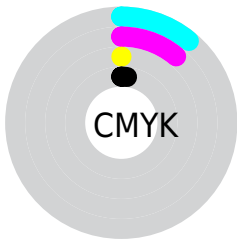
Distribution



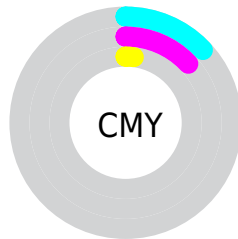
- Red (87%)
- Green (87%)
- Blue (98%)



- Red (87%)
- Yellow (87%)
- Blue (98%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8080, 74.8327, 100.9965 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 73.8080, 74.8327, 100.9965 by changing the saturation by 10% instead.

■ 73.8080, 74.8327,
100.9965

■ 73.8080, 74.8327,
100.9965

462.8710,
477.3423, 584.6568

■ 54.9276, 55.4758,
76.5115

123.6206,
126.0755, 164.5897

■ 39.5774, 39.7828,
56.3429

155.2835,
158.7303, 204.5350

■ 27.3919, 27.3693,
40.0720

191.9379,
196.5864, 250.4709

■ 18.0059, 17.8507,
27.2805

233.9493,
240.0284, 302.8158

■ 11.0539, 10.8429,
17.5497

281.6829,
289.4406, 361.9883

■ 6.1707, 5.9613,
10.4611

335.5042,

■ 2.9908, 2.8216,

345.2074, 428.4069

5.5962

395.7784,
407.7132, 502.4902

■ 1.1489, 1.0393,
2.5363

■ 0.0654, 0.0000,
0.8593

■ 73.8080, 74.8327,
100.9965

■ 73.8080, 74.8327,
100.9965

■ 60.7475, 58.9644,
98.6231

■ 88.9152, 93.2216,
103.7508

■ 49.6393, 45.4979,
96.6093

■ 94.2555, 99.6822,
104.7164

■ 40.3917, 34.3191,
94.9390

■ 32.9029, 25.3009,
93.5930

■ 27.0615, 18.3037,
92.5503

■ 22.7431, 13.1717,
91.7873

■ 19.8060, 9.7263,
91.2771

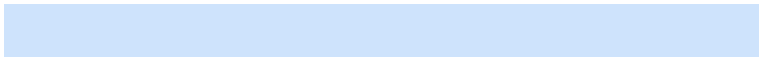
■ 18.0815, 7.7540,
90.9873

■ 17.3670, 6.9597,
90.8716

Harmonies

Analogous

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



70.2572, 74.8327, 102.5774



73.8080, 74.8327, 100.9965



76.7276, 74.8327, 93.9848

Triad

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



73.8080, 74.8327, 100.9965



75.3681, 74.8327, 66.8210



64.5323, 74.8327, 79.0064

Complementary

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



73.8080, 74.8327, 100.9965



86.4401, 93.7869, 82.6577

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.



65.8044, 74.8327, 70.1369



73.8080, 74.8327, 100.9965



72.0024, 74.8327, 63.4941

Square

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



73.8080, 74.8327, 100.9965



77.6491, 74.8327, 74.1273



68.5102, 74.8327, 64.6552



64.9793, 74.8327, 89.3038

Rectangle

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



73.8080, 74.8327, 100.9965



77.8836, 74.8327, 87.4685



68.5102, 74.8327, 64.6552



64.7715, 74.8327, 75.7715

Sweetspot

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



73.8102, 74.8358, 100.9982



89.9955, 93.8433, 107.9780



81.2781, 90.2262, 103.5752



18.9808, 19.7430, 23.0603



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.



73.8102, 74.8358, 100.9982



74.5722, 75.0757, 105.1684



78.2821, 77.1411, 101.2074



16.3402, 16.6725, 21.7422



9.2369, 3.7045, 48.2017



0.8750, 0.3531, 4.4652

Inverse Universe

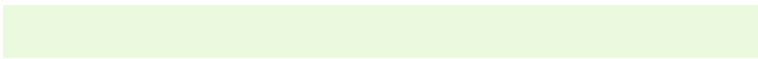
The Inverse Universe completely reimagines the original color for something new.



82.6471, 79.4094, 100.5979



85.1820, 80.5671, 104.6761



81.6557, 91.3204, 82.4338



17.9648, 17.5133, 21.6703



29.3535, 14.1571, 45.4315



2.7268, 1.3144, 4.2505

Previews

White Background



This preview shows how the XYZ color 73.8080, 74.8327, 100.9965 looks on a white background.

Color Contrast Check

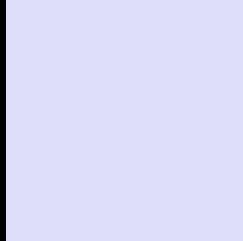
Large Text (above 18pt) WCAG AA × Fail

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 73.8080, 74.8327, 100.9965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

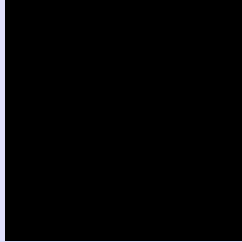
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.8080, 74.8327, 100.9965

Background



This preview shows how black text looks on a background with the XYZ color 73.8080, 74.8327, 100.9965.



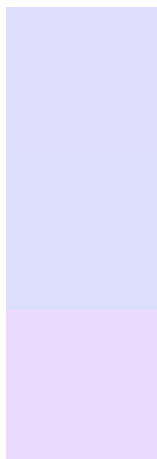
This preview shows how white text looks on a background with the XYZ color 73.8080, 74.8327,

100.9965.

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

73.8080, 74.8327, 100.9965

Protanopia

73.4618, 75.0496, 101.0567

Deuteranopia

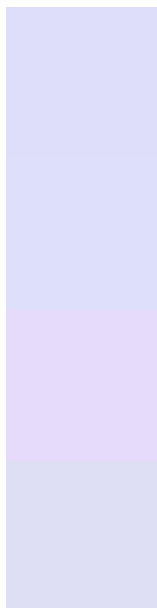
76.4157, 74.6003, 101.6385



Tritanopia

72.3891, 74.6558, 93.8138

Trichromacy



Original Color

73.8080, 74.8327, 100.9965

Protanomaly

73.7672, 75.2071, 101.0709

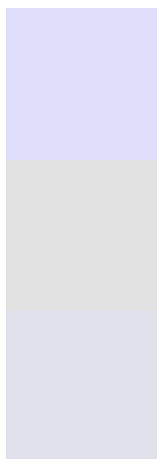
Deuteranomaly

75.3772, 74.4511, 101.6645

Tritanomaly

72.8410, 74.8366, 96.1937

Monochromacy



Original Color

73.8080, 74.8327, 100.9965

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

72.2474, 75.0991, 88.5296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.8080, 74.8327, 100.9965 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(223, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 250)  
}
```

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(223, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 250) }
```

Border

The CSS property to change the border of an element to XYZ 73.8080, 74.8327, 100.9965 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(223, 222, 250) }
```


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

```
.border{ border-color:rgb(223, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 73.8080, 74.8327, 100.9965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 222, 250) }
```

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

```
.background{ background-color: rgb(223,  
222, 250) }
```

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