

Converting Colors

XYZ(76.0969, 74.9635,
101.6525)

Have a look what the booklet for
XYZ(76.0969, 74.9635, 101.6525)
contains.

XYZ(76.0228, 74.7839, 101.6947)	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(76.0228, 74.7839,
101.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	E8DBFB
RGB	232, 219, 251
RGB Percent	91%, 86%, 98%
CMY	0.0902, 0.1412, 0.0157
CMYK	0.08, 0.13, 0.00, 0.02
HSL	264°, 80%, 92%
HSV	264°, 13%, 98%
XYZ	76.0228, 74.7839, 101.6947
YIQ	226.5350, -2.5240, 12.7080

Conversions

Conversions Part 2

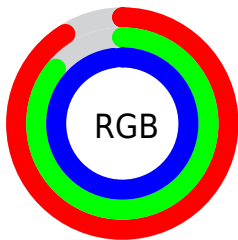
Format	Color
R _Y B	232, 219, 251
Decimal	15260667
CIE Lab	89.29, 10.29, -13.96
CIE LCh	89, 17.341, 306.380
Yxy	74.7839, 0.3011, 0.2962
Android (android.graphics.Color)	4293450747 (0xFFE8DBFB)
YUV	226.5350, 12.0612, 4.7928
Hunter-Lab	86.4777, 5.5840, -9.1886

Details

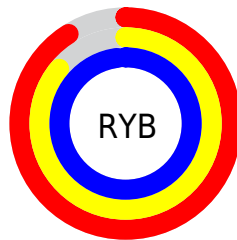
The XYZ color **76.0228, 74.7839, 101.6947** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.5460, 92.2880, 80.4842**, and the grayscale version is **72.5946, 76.3752, 83.1726**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9176, 39.6761, 56.5406** is the 20% darker color. If you saturate the color by 10%, you get **65.3277, 60.2731, 99.4587**, and if you desaturate by 10%, it is **88.1201, 91.4872, 104.2823**.

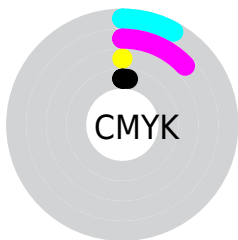
Distribution



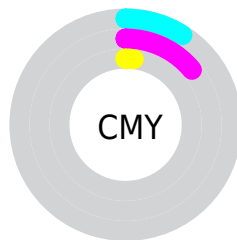
- Red (91%)
- Green (86%)
- Blue (98%)



- Red (91%)
- Yellow (86%)
- Blue (98%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0228, 74.7839, 101.6947 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 76.0228, 74.7839, 101.6947 by changing the saturation by 10% instead.

76.0228, 74.7839,
101.6947

76.0228, 74.7839,
101.6947

470.3689,
477.1745, 586.9055

56.7483, 55.4359,
77.0919

126.7393,
126.0064, 165.5563

41.0426, 39.7508,
56.8163

158.9121,
158.6497, 205.6521

28.5402, 27.3443,
40.4494

196.1150,
196.4935, 251.7493

18.8758, 17.8320,
27.5726

238.7134,
239.9223, 304.2665

11.6840, 10.8294,
17.7675

287.0726,
289.3203, 363.6222

6.5996, 5.9522,
10.6155

341.5580,

3.2570, 2.8161,

345.0721, 430.2349

5.6980

402.5350,
407.5621, 504.5231

■ 1.2911, 1.0365,
2.5965

■ 0.1766, 0.0000,
0.8907

■ 76.0228, 74.7839,
101.6947

■ 76.0228, 74.7839,
101.6947

■ 65.3277, 60.2731,
99.4587

■ 88.1201, 91.4872,
104.2823

■ 55.9738, 47.8520,
97.5542

■ 94.4128, 99.7451,
105.5446

■ 47.9054, 37.4235,
95.9665

■ 41.0602, 28.8790,
94.6780

■ 35.3698, 22.0990,
93.6693

■ 30.7585, 16.9501,
92.9185

■ 27.1402, 13.2787,
92.4005

■ 24.4122, 10.8995,
92.0851

■ 22.8872, 9.7873,
91.9508

Harmonies

Analogous

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



71.9891, 74.7839, 106.8872



76.0228, 74.7839, 101.6947



78.8091, 74.7839, 91.1384

Triad

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



76.0228, 74.7839, 101.6947



74.3945, 74.7839, 61.8644



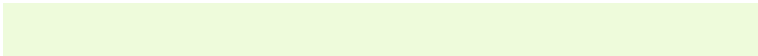
63.2864, 74.7839, 84.0475

Complementary

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



76.0228, 74.7839, 101.6947



82.5460, 92.2880, 80.4842

Split Complementary

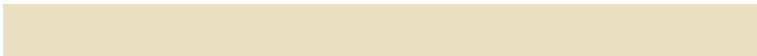
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.8732, 74.7839, 72.4311



76.0228, 74.7839, 101.6947



70.1783, 74.7839, 60.3694

Square

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



76.0228, 74.7839, 101.6947



77.8432, 74.7839, 68.3561



66.3559, 74.7839, 64.0486



64.7200, 74.7839, 96.0661

Rectangle

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



76.0228, 74.7839, 101.6947



79.5251, 74.7839, 82.9091



66.3559, 74.7839, 64.0486



63.2547, 74.7839, 79.9626

Sweetspot

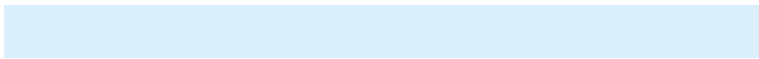
The Sweet Spot groups the original color and five complimentary colors.



76.0250, 74.7871, 101.6963



89.6886, 92.5332, 107.7413



77.2615, 83.2934, 103.2731



18.9870, 19.5144, 23.0159



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.



76.0250, 74.7871, 101.6963



76.1704, 73.9208, 104.8613



81.3869, 77.5512, 101.9473



16.9506, 16.9871, 21.7708



12.1850, 5.2243, 48.3397



1.2451, 0.5440, 4.4825

Inverse Universe

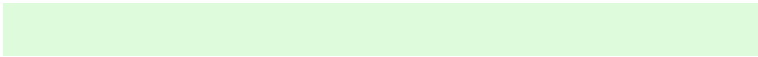
The Inverse Universe completely reimagines the original color for something new.



80.5504, 77.3486, 91.5770



81.6370, 77.0163, 92.5835



77.4715, 89.6720, 80.2468



17.6772, 17.3982, 20.1559



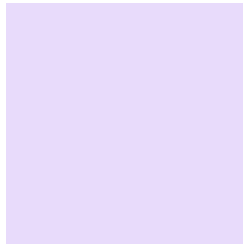
23.8394, 11.9515, 16.3947



2.2605, 1.1279, 1.7951

Previews

White Background



This preview shows how the XYZ color 76.0228, 74.7839, 101.6947 looks on a white background.

Color Contrast Check

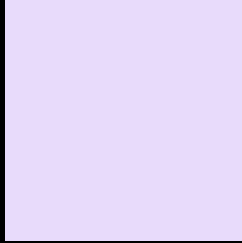
Large Text (above 18pt) WCAG AA × Fail

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 76.0228, 74.7839, 101.6947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

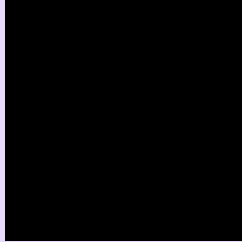
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.0228, 74.7839, 101.6947

Background



This preview shows how black text looks on a background with the XYZ color 76.0228, 74.7839, 101.6947.

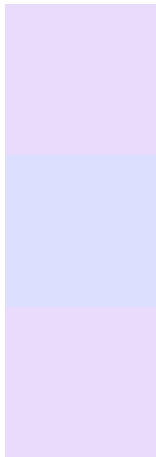


This preview shows how white text looks on a background with the XYZ color 76.0228, 74.7839,

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

76.0228, 74.7839, 101.6947

Protanopia

73.6325, 75.0828, 103.5401

Deuteranopia

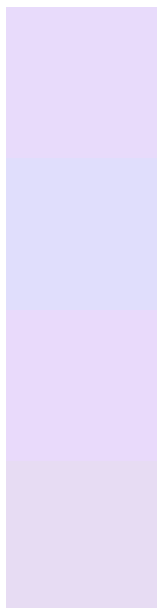
76.4157, 74.6003, 101.6385



Tritanopia

74.0696, 74.7679, 92.1891

Trichromacy



Original Color

76.0228, 74.7839, 101.6947

Protanomaly

74.4324, 75.1181, 102.6717

Deuteranomaly

76.0883, 74.4315, 101.6232

Tritanomaly

74.7259, 74.6464, 95.2637

Monochromacy



Original Color

76.0228, 74.7839, 101.6947

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

74.1091, 76.0255, 90.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0228, 74.7839, 101.6947 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(232, 219, 251)` looks like.

```
.text, #text, p{  
    color:rgb(232, 219, 251)  
}
```

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(232, 219, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 219, 251) }
```

Border

The CSS property to change the border of an element to XYZ 76.0228, 74.7839, 101.6947 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(232, 219, 251) }
```


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

```
.border{ border-color:rgb(232, 219, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 219, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 219, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 219, 251);  
box-shadow:4px 4px 4px 4px rgb(232, 219,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0228, 74.7839, 101.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 219, 251) }
```

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

```
.background{ background-color: rgb(232,  
219, 251) }
```

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