

Converting Colors

XYZ(76.9886, 78.2133,
102.3064)

Have a look what the booklet for
XYZ(76.9886, 78.2133, 102.3064)
contains.

XYZ(76.9220, 78.0158, 102.2711)	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(76.9220, 78.0158,
102.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E2FB
RGB	229, 226, 251
RGB Percent	90%, 89%, 98%
CMY	0.1020, 0.1137, 0.0157
CMYK	0.09, 0.10, 0.00, 0.02
HSL	247°, 76%, 94%
HSV	247°, 10%, 98%
XYZ	76.9220, 78.0158, 102.2711
YIQ	229.7470, -6.2370, 8.4110

Conversions

Conversions Part 2

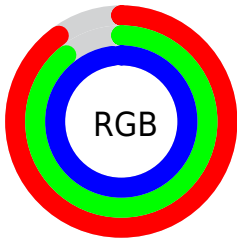
Format	Color
R_{YB}	229, 226, 251
Decimal	15065851
CIE Lab	90.79, 5.66, -11.75
CIE LCh	91, 13.044, 295.727
Yxy	78.0158, 0.2991, 0.3033
Android (android.graphics.Color)	4293255931 (0xFFE5E2FB)
YUV	229.7470, 10.4777, -0.6551
Hunter-Lab	88.3266, 0.8810, -6.8218

Details

The XYZ color **76.9220, 78.0158, 102.2711** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86.9390, 94.4439, 85.6027**, and the grayscale version is **74.9571, 78.8607, 85.8793**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5341, 41.9051, 56.9383** is the 20% darker color. If you saturate the color by 10%, you get **63.9845, 61.9468, 99.8526**, and if you desaturate by 10%, it is **91.7602, 96.5520, 105.0681**.

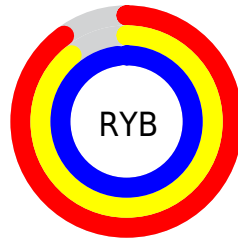
Distribution



Red (90%)

Green (89%)

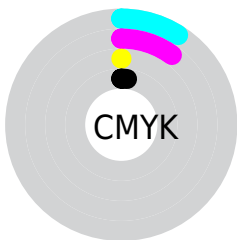
Blue (98%)



Red (90%)

Yellow (89%)

Blue (98%)

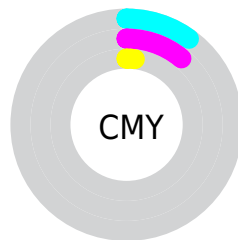


Cyan (9%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (10%)

Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9220, 78.0158, 102.2711 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 76.9220, 78.0158, 102.2711 by changing the saturation by 10% instead.

76.9220, 78.0158,
102.2711

76.9220, 78.0158,
102.2711

473.3941,
488.2205, 588.7585

57.4886, 58.0870,
77.5712

128.0028,
130.5724, 166.3537

41.6393, 41.8786,
57.2074

160.3809,
163.9689, 206.5735

29.0088, 29.0062,
40.7613

197.8045,
202.6235, 252.8036

19.2318, 19.0855,
27.8143

240.6391,
246.9205, 305.4626

11.9429, 11.7321,
17.9479

289.2500,
297.2443, 364.9691

6.7767, 6.5615,
10.7436

344.0026,

3.3679, 3.1894,

353.9793, 431.7415

5.7827

405.2621,
417.5099, 506.1985

■ 1.3512, 1.2314,
2.6467

■ 0.2210, 0.0871,
0.9164

■ 76.9220, 78.0158,
102.2711

■ 76.9220, 78.0158,
102.2711

■ 63.9845, 61.9468,
99.8526

■ 91.7602, 96.5520,
105.0681

■ 52.8640, 48.2312,
97.7913

■ 94.4128, 99.7451,
105.5446

■ 43.4806, 36.7613,
96.0720

■ 35.7461, 27.4169,
94.6759

■ 29.5641, 20.0664,
93.5830

■ 24.8282, 14.5638,
92.7705

■ 21.4185, 10.7427,
92.2127

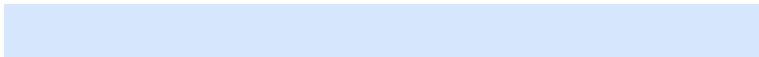
■ 19.1950, 8.4064,
91.8789

■ 17.9546, 7.2461,
91.7203

Harmonies

Analogous

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



73.6829, 78.0158, 104.2524



76.9220, 78.0158, 102.2711



79.4842, 78.0158, 95.5243

Triad

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



76.9220, 78.0158, 102.2711



77.7588, 78.0158, 70.8827



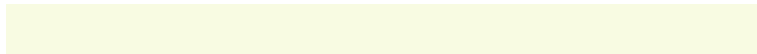
68.0410, 78.0158, 83.6078

Complementary

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



76.9220, 78.0158, 102.2711



86.9390, 94.4439, 85.6027

Split Complementary

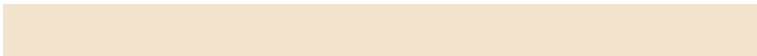
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0632, 78.0158, 75.1789



76.9220, 78.0158, 102.2711



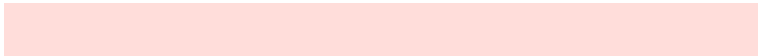
74.6224, 78.0158, 68.1835

Square

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



76.9220, 78.0158, 102.2711



79.9772, 78.0158, 77.3473



71.4487, 78.0158, 69.6970



68.6162, 78.0158, 93.0266

Rectangle

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



76.9220, 78.0158, 102.2711



80.4306, 78.0158, 89.4754



71.4487, 78.0158, 69.6970



68.2084, 78.0158, 80.5720

Sweetspot

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



76.9243, 78.0191, 102.2728



90.2241, 93.9611, 107.9887



82.3722, 90.3220, 104.3604



19.0422, 19.7747, 23.0632



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.



76.9243, 78.0191, 102.2728



76.8298, 77.2517, 105.4694



81.0297, 80.1355, 102.4650



16.4763, 16.7426, 21.7486



9.4975, 3.8388, 48.2139



0.9395, 0.3864, 4.4682

Inverse Universe

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



83.9261, 81.6828, 100.1540



85.4682, 81.7726, 102.8203



82.6810, 92.2488, 85.4034



17.8982, 17.4866, 21.3196



27.8022, 13.5366, 37.2622



2.5995, 1.2635, 3.5801

Previews

White Background



This preview shows how the XYZ color 76.9220, 78.0158, 102.2711 looks on a white background.

Color Contrast Check

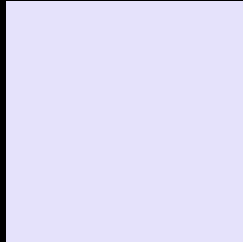
Large Text (above 18pt) WCAG AA × Fail

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 76.9220, 78.0158, 102.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

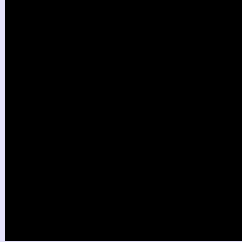
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9220, 78.0158, 102.2711

Background



This preview shows how black text looks on a background with the XYZ color 76.9220, 78.0158, 102.2711.



This preview shows how white text looks on a background with the XYZ color 76.9220, 78.0158,

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

76.9220, 78.0158, 102.2711

Protanopia

76.4038, 78.1352, 103.1501

Deuteranopia

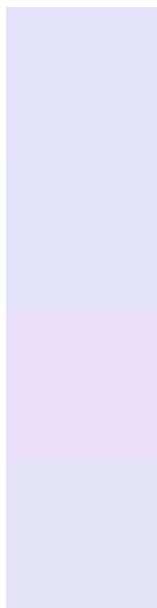
79.6271, 77.7961, 102.9148



Tritanopia

75.9454, 78.0247, 97.4437

Trichromacy



Original Color

76.9220, 78.0158, 102.2711

Protanomaly

76.7183, 78.2973, 103.1649

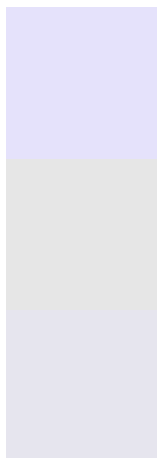
Deuteranomaly

78.5504, 77.6365, 102.9407

Tritanomaly

76.2525, 78.1476, 99.0607

Monochromacy



Original Color

76.9220, 78.0158, 102.2711

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.0851, 79.0347, 92.1340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9220, 78.0158, 102.2711 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(229, 226, 251)` looks like.

```
.text, #text, p{  
    color:rgb(229, 226, 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(229, 226, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 251) }
```

Border

The CSS property to change the border of an element to XYZ 76.9220, 78.0158, 102.2711 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(229, 226, 251) }
```


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

```
.border{ border-color:rgb(229, 226, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 226, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 251);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9220, 78.0158, 102.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 226, 251) }
```

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

```
.background{ background-color: rgb(229,  
226, 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