

Converting Colors

XYZ(70.3765, 62.7676,
103.0138)

Have a look what the booklet for
XYZ(70.3765, 62.7676, 103.0138)
contains.

XYZ(70.2968, 62.7925, 103.0229)	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(70.2968, 62.7925,
103.0229)**

Conversions

Conversions Part 1

Format	Color
Hex	E7C2FF
RGB	231, 194, 255
RGB Percent	91%, 76%, 100%
CMY	0.0941, 0.2392, 0.0000
CMYK	0.09, 0.24, 0.00, 0.00
HSL	276°, 100%, 88%
HSV	276°, 24%, 100%
XYZ	70.2968, 62.7925, 103.0229
YIQ	212.0170, 2.4710, 26.8150

Conversions

Conversions Part 2

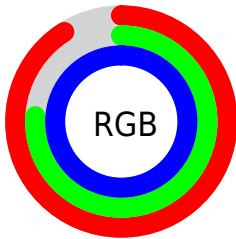
Format	Color
R _Y B	231, 194, 255
Decimal	15188735
CIE Lab	83.33, 24.01, -25.08
CIE LCh	83, 34.722, 313.750
Yxy	62.7925, 0.2977, 0.2659
Android (android.graphics.Color)	4293378815 (0xFFE7C2FF)
YUV	212.0170, 21.1906, 16.6481
Hunter-Lab	79.2417, 19.6777, -21.6143

Details

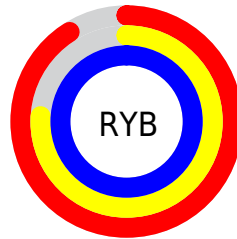
The XYZ color **70.2968, 62.7925, 103.0229** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.4125, 90.3211, 64.5536**, and the grayscale version is **62.4547, 65.7072, 71.5552**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **37.2503, 31.9473, 57.6292** is the 20% darker color. If you saturate the color by 10%, you get **61.9555, 50.7794, 101.1437**, and if you desaturate by 10%, it is **79.8010, 76.8538, 105.2361**.

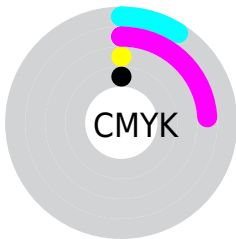
Distribution



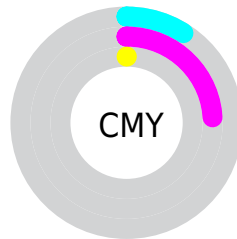
- Red (91%)
- Green (76%)
- Blue (100%)



- Red (91%)
- Yellow (76%)
- Blue (100%)



- Cyan (9%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2968, 62.7925, 103.0229 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 70.2968, 62.7925, 103.0229 by changing the saturation by 10% instead.

70.2968, 62.7925,
103.0229

70.2968, 62.7925,
103.0229

450.8416,
434.8160, 591.1707

52.0490, 45.6734,
78.1966

118.6559,
108.8701, 167.3932

37.2686, 31.9881,
57.7181

149.4979,
138.5973, 207.7742

25.5901, 21.3524,
41.1688

185.2686,
173.2961, 254.1772

16.6483, 13.3819,
28.1303

226.3335,
213.3507, 307.0207

10.0778, 7.6920,
18.1840

273.0579,
259.1456, 366.7233

5.5133, 3.8985,
10.9114

325.8072,

2.5893, 1.6170,

311.0652, 433.7034

5.8939

384.9466,
369.4939, 508.3798

■ 0.9405, 0.3690,
2.7129

■ 0.0000, 0.0000,
0.9499

■ 70.2968, 62.7925,
103.0229

■ 70.2968, 62.7925,
103.0229

■ 61.9555, 50.7794,
101.1437

■ 79.8010, 76.8538,
105.2361

■ 54.7191, 40.7060,
99.5808

■ 90.5119, 93.0496,
107.7976

■ 48.5319, 32.4648,
98.3162

95.0500, 100.0000,
108.9000

■ 43.3311, 25.9348,
97.3299

■ 39.0461, 20.9800,
96.5993

■ 35.5954, 17.4424,
96.0984

■ 32.8803, 15.1296,
95.7951

■ 31.5049, 14.1562,
95.6797

Harmonies

Analogous

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



63.2006, 62.7925, 117.2392



70.2968, 62.7925, 103.0229



74.7358, 62.7925, 80.6791

Triad

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



70.2968, 62.7925, 103.0229



63.8383, 62.7925, 35.7139



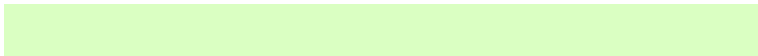
46.6604, 62.7925, 78.7385

Complementary

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



70.2968, 62.7925, 103.0229



74.4125, 90.3211, 64.5536

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.



46.7996, 62.7925, 57.3819



70.2968, 62.7925, 103.0229



56.2972, 62.7925, 35.4103

Square

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



70.2968, 62.7925, 103.0229



70.7974, 62.7925, 43.4574



50.1941, 62.7925, 42.5162



49.7962, 62.7925, 101.3464

Rectangle

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



70.2968, 62.7925, 103.0229



75.3753, 62.7925, 65.6863



50.1941, 62.7925, 42.5162



46.3344, 62.7925, 71.1266

Sweetspot

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



70.2986, 62.7951, 103.0233



87.0809, 87.8275, 106.9705



65.4755, 69.0421, 104.4833



18.4980, 18.5849, 22.8623



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.



70.2986, 62.7951, 103.0233



65.9183, 56.4415, 102.0278



77.6163, 66.6791, 98.3207



18.0604, 17.9229, 22.7575



16.6346, 7.4859, 50.0028



1.7425, 0.7922, 4.8743

Inverse Universe

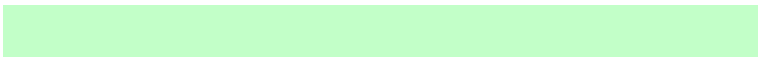
The Inverse Universe completely reimagines the original color for something new.



73.1882, 64.9079, 75.0027



69.4250, 58.9885, 68.7942



68.4470, 87.1650, 67.9246



18.3053, 18.1054, 20.2249



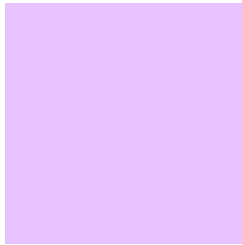
22.8272, 11.6202, 7.7405



2.2745, 1.1522, 1.0268

Previews

White Background



This preview shows how the XYZ color 70.2968, 62.7925, 103.0229 looks on a white background.

Color Contrast Check

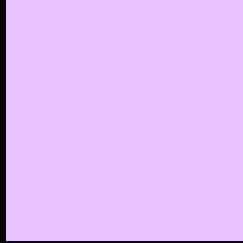
Large Text (above 18pt) WCAG AA × Fail

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 70.2968, 62.7925, 103.0229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

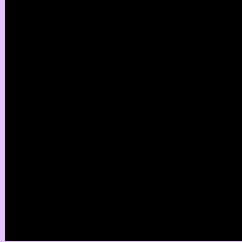
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2968, 62.7925, 103.0229

Background



This preview shows how black text looks on a background with the XYZ color 70.2968, 62.7925, 103.0229.

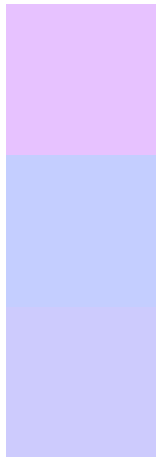


This preview shows how white text looks on a background with the XYZ color 70.2968, 62.7925,

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

70.2968, 62.7925, 103.0229

Protanopia

62.8863, 63.0984, 103.4725

Deuteranopia

64.2624, 62.7829, 101.6598



Tritanopia

64.4624, 62.7906, 74.3679

Trichromacy



Original Color

70.2968, 62.7925, 103.0229

Protanomaly

65.4650, 63.0164, 103.3207

Deuteranomaly

66.2752, 62.7605, 102.3868

Tritanomaly

66.2964, 62.4886, 84.1686

Monochromacy



Original Color

70.2968, 62.7925, 103.0229

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

65.0483, 64.3241, 82.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2968, 62.7925, 103.0229 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(231, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 194, 255)  
}
```

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(231, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2968, 62.7925, 103.0229 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(231, 194, 255) }
```


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

```
.border{ border-color:rgb(231, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2968, 62.7925, 103.0229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 194, 255) }
```

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

```
.background{ background-color: rgb(231,  
194, 255) }
```

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