

Converting Colors

XYZ(71.7011, 63.0400,
102.9966)

Have a look what the booklet for
XYZ(71.7011, 63.0400, 102.9966)
contains.

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Color

**XYZ(71.7120, 63.1928,
103.0255)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC1FF
RGB	236, 193, 255
RGB Percent	93%, 76%, 100%
CMY	0.0745, 0.2431, 0.0000
CMYK	0.07, 0.24, 0.00, 0.00
HSL	282°, 100%, 88%
HSV	282°, 24%, 100%
XYZ	71.7120, 63.1928, 103.0255
YIQ	212.9250, 5.7260, 28.3980

Conversions

Conversions Part 2

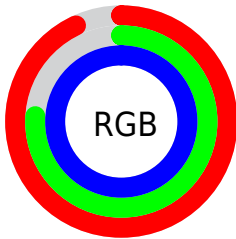
Format	Color
R _Y B	236, 193, 255
Decimal	15516159
CIE Lab	83.54, 26.12, -24.72
CIE LCh	84, 35.961, 316.574
Yxy	63.1928, 0.3014, 0.2656
Android (android.graphics.Color)	4293706239 (0xFFECC1FF)
YUV	212.9250, 20.7430, 20.2368
Hunter-Lab	79.4939, 21.9118, -21.1952

Details

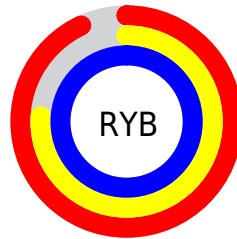
The XYZ color **71.7120, 63.1928, 103.0255** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.5386, 89.3680, 63.8817**, and the grayscale version is **63.0604, 66.3445, 72.2492**.

A 20% lighter version of the original color is **93.4756, 96.8512, 108.3752**, and **38.2481, 32.2458, 57.6342** is the 20% darker color. If you saturate the color by 10%, you get **64.0159, 51.5676, 101.1873**, and if you desaturate by 10%, it is **80.4971, 76.8255, 105.1939**.

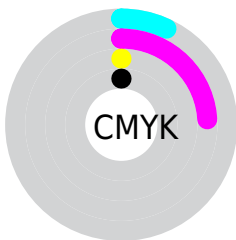
Distribution



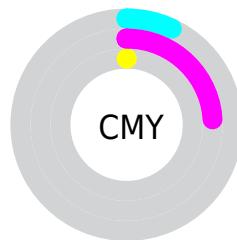
- Red (93%)
- Green (76%)
- Blue (100%)



- Red (93%)
- Yellow (76%)
- Blue (100%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7120, 63.1928, 103.0255 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 71.7120, 63.1928, 103.0255 by changing the saturation by 10% instead.

71.7120, 63.1928,
103.0255

71.7120, 63.1928,
103.0255

455.7118,
436.2689, 591.1791

53.2081, 45.9972,
78.1987

120.6600,
109.4476, 167.3968

38.1970, 32.2436,
57.7198

151.8348,
139.2756, 207.7783

26.3136, 21.5476,
41.1702

187.9639,
174.0832, 254.1819

17.1923, 13.5249,
28.1314

229.4127,
214.2548, 307.0261

10.4678, 7.7910,
18.1849

276.5465,
260.1748, 366.7293

5.7749, 3.9615,
10.9120

329.7307,

2.7480, 1.6520,

312.2275, 433.7102

5.8942

389.3307,
370.7974, 508.3873

■ 1.0220, 0.3923,
2.7131

■ 0.0000, 0.0000,
0.9500

■ 71.7120, 63.1928,
103.0255

■ 71.7120, 63.1928,
103.0255

■ 64.0159, 51.5676,
101.1873

■ 80.4971, 76.8255,
105.1939

■ 57.3520, 41.8415,
99.6612

■ 90.4135, 92.5511,
107.7066

■ 51.6665, 33.9078,
98.4295

95.0500, 100.0000,
108.9000

■ 46.8979, 27.6459,
97.4721

■ 42.9770, 22.9197,
96.7665

■ 39.8239, 19.5715,
96.2865

■ 37.3407, 17.4080,
95.9998

■ 36.1487, 16.5502,
95.8970

Harmonies

Analogous

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



64.4746, 63.1928, 119.1423



71.7120, 63.1928, 103.0255



75.9821, 63.1928, 79.3451

Triad

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



71.7120, 63.1928, 103.0255



63.6380, 63.1928, 34.7287



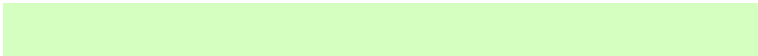
46.7200, 63.1928, 81.8958

Complementary

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



71.7120, 63.1928, 103.0255



72.5386, 89.3680, 63.8817

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.



46.5386, 63.1928, 59.2445



71.7120, 63.1928, 103.0255



55.8571, 63.1928, 35.1200

Square

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



71.7120, 63.1928, 103.0255



71.0538, 63.1928, 41.9323



49.7490, 63.1928, 43.1516



50.2682, 63.1928, 105.2401

Rectangle

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



71.7120, 63.1928, 103.0255



76.3493, 63.1928, 63.9724



49.7490, 63.1928, 43.1516



46.2747, 63.1928, 73.8776

Sweetspot

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



71.7138, 63.1954, 103.0259



87.6337, 88.1125, 106.9964



63.7467, 65.9642, 103.9803



18.6261, 18.6510, 22.8683



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.



71.7138, 63.1954, 103.0259



67.9727, 57.5006, 102.1239



76.5848, 65.9117, 93.9829



18.2192, 18.0047, 22.7650



19.0480, 8.7301, 50.1157



1.9662, 0.9076, 4.8848

Inverse Universe

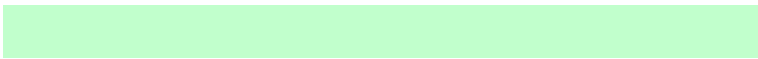
The Inverse Universe completely reimagines the original color for something new.



72.1952, 64.1559, 70.8678



68.6386, 58.6739, 64.6532



68.6973, 87.2356, 70.5777



18.2385, 18.0787, 19.8733



22.3281, 11.4205, 5.1121



2.2203, 1.1305, 0.7415

Previews

White Background



This preview shows how the XYZ color 71.7120, 63.1928, 103.0255 looks on a white background.

Color Contrast Check

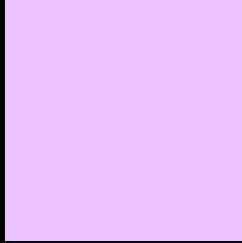
Large Text (above 18pt) WCAG AA × Fail

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 71.7120, 63.1928, 103.0255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

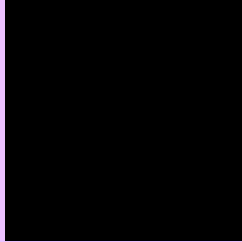
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7120, 63.1928, 103.0255

Background



This preview shows how black text looks on a background with the XYZ color 71.7120, 63.1928, 103.0255.

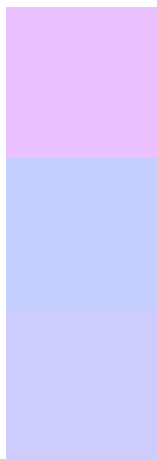


This preview shows how white text looks on a background with the XYZ color 71.7120, 63.1928,

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

71.7120, 63.1928, 103.0255

Protanopia

63.3888, 63.7160, 103.5652

Deuteranopia

64.7761, 63.3994, 101.7517



Tritanopia

65.6821, 63.0894, 73.6814

Trichromacy



Original Color

71.7120, 63.1928, 103.0255



Protanomaly

66.0345, 63.3099, 103.3474



Deuteranomaly

67.1589, 63.2160, 102.4282



Tritanomaly

67.5279, 62.8015, 83.4257

Monochromacy



Original Color

71.7120, 63.1928, 103.0255



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

65.8937, 65.1162, 82.4945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7120, 63.1928, 103.0255 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(236, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 193, 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(236, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.7120, 63.1928, 103.0255 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(236, 193, 255) }
```


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

```
.border{ border-color:rgb(236, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7120, 63.1928, 103.0255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 193, 255) }
```

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

```
.background{ background-color: rgb(236,  
193, 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](#).

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