

Converting Colors

XYZ(78.2615, 70.7616,
137.8011)

Have a look what the booklet for
XYZ(78.2615, 70.7616, 137.8011)
contains.

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Color

**XYZ(71.7269, 68.0144,
103.9554)**

Conversions

Conversions Part 1

Format	Color
Hex	E2CFFF
RGB	226, 207, 255
RGB Percent	89%, 81%, 100%
CMY	0.1137, 0.1882, 0.0000
CMYK	0.11, 0.19, 0.00, 0.00
HSL	264°, 100%, 91%
HSV	264°, 19%, 100%
XYZ	71.7269, 68.0144, 103.9554
YIQ	218.1530, -4.0840, 18.9560

Conversions

Conversions Part 2

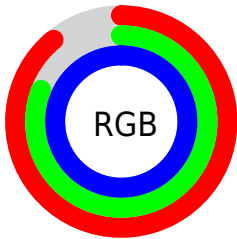
Format	Color
R _{YB}	226, 207, 255
Decimal	14864383
CIE Lab	86.01, 15.50, -21.05
CIE LCh	86, 26.143, 306.369
Yxy	68.0144, 0.2943, 0.2791
Android (android.graphics.Color)	4293054463 (0xFFE2CFFF)
YUV	218.1530, 18.1656, 6.8818
Hunter-Lab	82.4708, 10.9218, -17.0061

Details

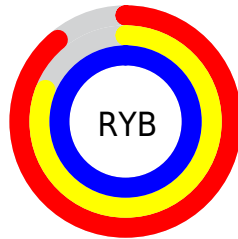
The XYZ color **71.7269, 68.0144, 103.9554** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.6160, 93.8585, 72.8495**, and the grayscale version is **66.6284, 70.0983, 76.3371**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1618, 35.4057, 58.2487** is the 20% darker color. If you saturate the color by 10%, you get **61.4251, 54.2627, 101.8440**, and if you desaturate by 10%, it is **83.4643, 83.9907, 106.4205**.

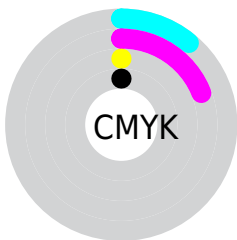
Distribution



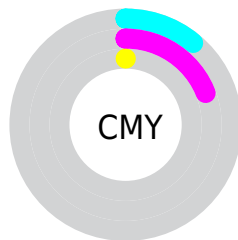
- Red (89%)
- Green (81%)
- Blue (100%)



- Red (89%)
- Yellow (81%)
- Blue (100%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7269, 68.0144, 103.9554 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 71.7269, 68.0144, 103.9554 by changing the saturation by 10% instead.

71.7269, 68.0144,
103.9554

71.7269, 68.0144,
103.9554

455.7629,
453.5470, 594.1556

53.2203, 49.9095,
78.9727

120.6811,
116.3727, 168.6814

38.2068, 35.3415,
58.3522

151.8593,
147.3949, 209.2618

26.3212, 23.9260,
41.6753

187.9922,
183.4916, 255.8785

17.1980, 15.2788,
28.5234

229.4450,
225.0473, 308.9500

10.4720, 9.0153,
18.4781

276.5831,
272.4463, 368.8950

5.7776, 4.7511,
11.1208

329.7719,

2.7497, 2.1020,

326.0729, 436.1319

6.0330

389.3767,
386.3117, 511.0792

■ 1.0228, 0.6657,
2.7960

■ 0.0000, 0.0000,
0.9915

■ 71.7269, 68.0144,
103.9554

■ 71.7269, 68.0144,
103.9554

■ 61.4251, 54.2627,
101.8440

■ 83.4643, 83.9907,
106.4205

■ 52.4939, 42.6259,
100.0686

95.0500, 100.0000,
108.9000

■ 44.8718, 32.9972,
98.6118

■ 38.4897, 25.2568,
97.4542

■ 33.2714, 19.2718,
96.5740

■ 29.1314, 14.8913,
95.9467

■ 25.9698, 11.9372,
95.5431

■ 23.6475, 10.1540,
95.3213

■ 23.4095, 9.9829,
95.3008

Harmonies

Analogous

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



65.9332, 68.0144, 111.9611



71.7269, 68.0144, 103.9554



75.7950, 68.0144, 88.0971

Triad

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



71.7269, 68.0144, 103.9554



69.3785, 68.0144, 47.7356



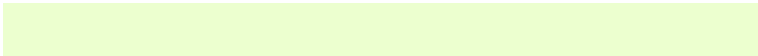
53.8502, 68.0144, 77.7801

Complementary

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



71.7269, 68.0144, 103.9554



81.6160, 93.8585, 72.8495

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.



54.6470, 68.0144, 61.5924



71.7269, 68.0144, 103.9554



63.3750, 68.0144, 45.8469

Square

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



71.7269, 68.0144, 103.9554



74.3817, 68.0144, 56.1496



58.0465, 68.0144, 50.5216



55.7986, 68.0144, 95.4144

Rectangle

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



71.7269, 68.0144, 103.9554



76.8492, 68.0144, 76.1671



58.0465, 68.0144, 50.5216



53.8077, 68.0144, 71.9845

Sweetspot

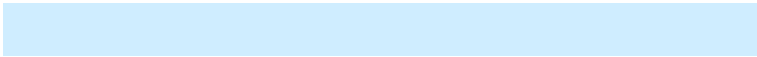
The Sweet Spot groups the original color and five complimentary colors.



71.7288, 68.0172, 103.9559



87.0424, 88.9124, 107.1819



73.9525, 80.8242, 106.3107



18.4511, 18.7835, 22.9031



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.



71.7288, 68.0172, 103.9559



67.2527, 62.0058, 103.0315



79.5739, 72.0615, 104.3230



17.6833, 17.7285, 22.7399



12.3883, 5.2969, 49.8040



1.3250, 0.5770, 4.8548

Inverse Universe

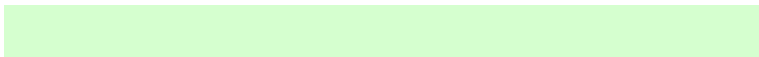
The Inverse Universe completely reimagines the original color for something new.



78.6947, 71.9443, 89.0978



75.5939, 66.7119, 85.0764



74.3490, 90.1123, 72.5094



18.4703, 18.1714, 21.0939



24.6750, 12.3593, 17.4709



2.4564, 1.2249, 1.9847

Previews

White Background



This preview shows how the XYZ color 71.7269, 68.0144, 103.9554 looks on a white background.

Color Contrast Check

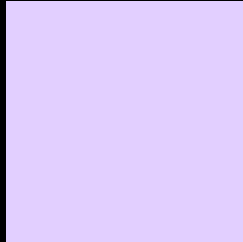
Large Text (above 18pt) WCAG AA × Fail

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 71.7269, 68.0144, 103.9554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

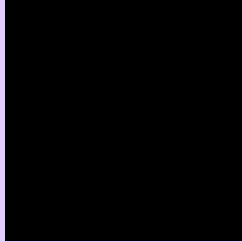
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7269, 68.0144, 103.9554

Background



This preview shows how black text looks on a background with the XYZ color 71.7269, 68.0144, 103.9554.

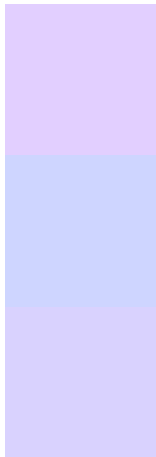


This preview shows how white text looks on a background with the XYZ color 71.7269, 68.0144,

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

71.7269, 68.0144, 103.9554

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

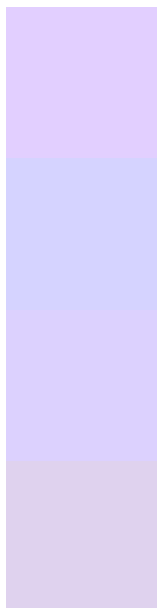
69.5513, 68.0007, 103.2256



Tritanopia

67.6713, 68.2180, 82.9995

Trichromacy



Original Color

71.7269, 68.0144, 103.9554

Protanomaly

68.7848, 67.9547, 104.0990

Deuteranomaly

70.2051, 67.9723, 103.1857

Tritanomaly

68.9106, 67.9542, 90.3734

Monochromacy



Original Color

71.7269, 68.0144, 103.9554

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.2892, 69.2348, 85.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7269, 68.0144, 103.9554 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(226, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 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(226, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.7269, 68.0144, 103.9554 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(226, 207, 255) }
```


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

```
.border{ border-color:rgb(226, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7269, 68.0144, 103.9554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 255) }
```

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

```
.background{ background-color: rgb(226,  
207, 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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