

# Converting Colors

XYZ(70.7235, 71.6039,  
104.0309)

Have a look what the booklet for  
XYZ(70.7235, 71.6039, 104.0309)  
contains.

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# Color

**XYZ(70.6924, 71.5947,  
103.8592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6DAFE
RGB	214, 218, 254
RGB Percent	84%, 85%, 100%
CMY	0.1608, 0.1451, 0.0039
CMYK	0.16, 0.14, 0.00, 0.00
HSL	234°, 95%, 92%
HSV	234°, 16%, 100%
XYZ	70.6924, 71.5947, 103.8592
YIQ	220.9080, -13.9400, 10.3480

# Conversions

## Conversions Part 2

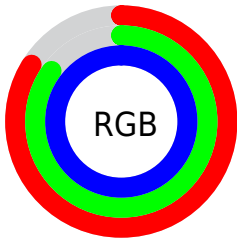
<b>Format</b>	<b>Color</b>
RYB	214, 218, 254
Decimal	14080766
CIELab	87.77, 5.72, -17.96
CIELCh	88, 18.845, 287.667
Yxy	71.5947, 0.2872, 0.2909
Android (android.graphics.Color)	4292270846 (0xFFD6DAFE)
YUV	220.9080, 16.3144, -6.0583
Hunter-Lab	84.6137, 1.0580, -13.5461

# Details

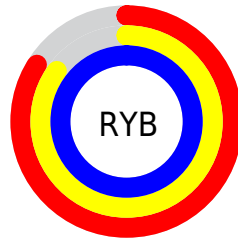
The XYZ color **70.6924, 71.5947, 103.8592** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.1969, 94.2971, 77.2255**, and the grayscale version is **68.5607, 72.1312, 78.5509**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4733, 37.5965, 58.1051** is the 20% darker color. If you saturate the color by 10%, you get **58.3253, 57.0196, 101.6989**, and if you desaturate by 10%, it is **85.0373, 88.4066, 106.3493**.

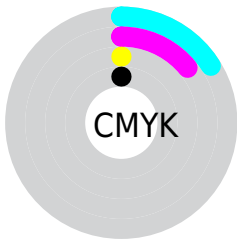
# Distribution



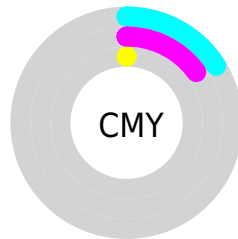
- Red (84%)
- Green (85%)
- Blue (100%)



- Red (84%)
- Yellow (85%)
- Blue (100%)



- Cyan (16%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6924, 71.5947, 103.8592 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 70.6924, 71.5947, 103.8592 by changing the saturation by 10% instead.



70.6924, 71.5947,  
103.8592

70.6924, 71.5947,  
103.8592

452.2060,  
466.1297, 593.8481

52.3728, 52.8277,  
78.8926

119.2165,  
121.4801, 168.5485

37.5278, 37.6652,  
58.2867

150.1518,  
153.3673, 209.1084

25.7920, 25.7230,  
41.6230

186.0231,  
190.3966, 255.7031

16.7999, 16.6165,  
28.4828

227.1956,  
232.9525, 308.7512

10.1864, 9.9614,  
18.4477

274.0348,  
281.4194, 368.6711

5.5859, 5.3734,  
11.0992

326.9061,

2.6332, 2.4680,

336.1816, 435.8816

6.0186

386.1747,  
397.6236, 510.8011

■ 0.9629, 0.8605,  
2.7874

■ 0.0000, 0.0000,  
0.9871

■ 70.6924, 71.5947,  
103.8592

■ 70.6924, 71.5947,  
103.8592

■ 58.3253, 57.0196,  
101.6989

■ 85.0373, 88.4066,  
106.3493

■ 47.8426, 44.5783,  
99.8500

94.8896, 99.9358,  
108.0554

■ 39.1535, 34.1730,  
98.2995

■ 32.1569, 25.6949,  
97.0318

■ 26.7416, 19.0247,  
96.0298

■ 22.7828, 14.0301,  
95.2744

■ 20.1370, 10.5600,  
94.7440

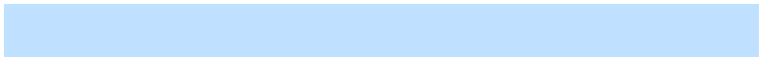
■ 18.6300, 8.4357,  
94.4134

■ 18.2462, 7.8689,  
94.3243

# Harmonies

## Analogous

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



66.2281, 71.5947, 104.5793



70.6924, 71.5947, 103.8592



74.6069, 71.5947, 95.7471

# Triad

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



70.6924, 71.5947, 103.8592



74.0066, 71.5947, 61.1262



59.9873, 71.5947, 72.8108

# Complementary

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



70.6924, 71.5947, 103.8592



87.1969, 94.2971, 77.2255

# 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.



61.8864, 71.5947, 62.5151



70.6924, 71.5947, 103.8592



69.9022, 71.5947, 56.2818

# Square

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



70.6924, 71.5947, 103.8592



76.5772, 71.5947, 70.7153



65.4716, 71.5947, 56.7607



60.1780, 71.5947, 85.6716



# Rectangle

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



70.6924, 71.5947, 103.8592



76.3184, 71.5947, 87.6939



65.4716, 71.5947, 56.7607



60.3989, 71.5947, 68.9642

# Sweetspot

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



70.6946, 71.5977, 103.8608



86.9620, 90.5578, 107.5038



80.3258, 92.0415, 103.4288



18.3791, 19.1092, 22.9697



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.



70.6946, 71.5977, 103.8608



67.0498, 67.2070, 104.0461



74.3571, 71.9636, 103.7384



17.1492, 17.6700, 22.7567



9.6667, 4.2429, 49.7441



0.9875, 0.5058, 4.8588



# Inverse Universe

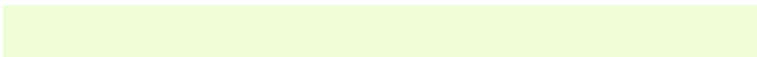
The Inverse Universe completely reimagines the original color for something new.



77.5763, 74.2278, 76.5716



75.2518, 70.3910, 71.5103



83.0650, 94.0327, 77.3923



18.0832, 18.0166, 19.0553



21.6675, 11.1563, 1.6336



2.1331, 1.0956, 0.2822



# Previews

## White Background



This preview shows how the XYZ color 70.6924, 71.5947, 103.8592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

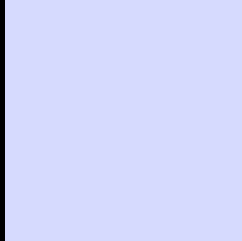
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6924, 71.5947, 103.8592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

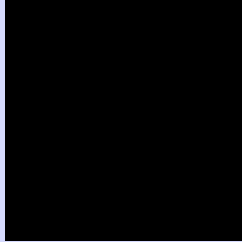
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.6924, 71.5947, 103.8592

## Background



This preview shows how black text looks on a background with the XYZ color 70.6924, 71.5947, 103.8592.



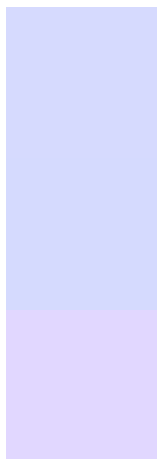
This preview shows how white text looks on a background with the XYZ color 70.6924, 71.5947,



# 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

70.6924, 71.5947, 103.8592

### Protanopia

70.4014, 71.4447, 103.8456

### Deuteranopia

73.4018, 71.8284, 104.6033



## Tritanopia

68.1530, 71.7348, 91.1431

# Trichromacy



## Original Color

70.6924, 71.5947, 103.8592

## Protanomaly

70.4014, 71.4447, 103.8456

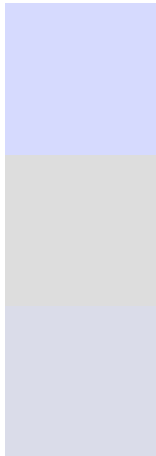
## Deuteranomaly

72.4247, 71.7039, 104.6308

## Tritanomaly

69.0737, 71.7151, 95.7898

# Monochromacy



## Original Color

70.6924, 71.5947, 103.8592

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.2146, 71.9750, 87.3354

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6924, 71.5947, 103.8592 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(214, 218, 254)` looks like.

```
.text, #text, p{  
    color:rgb(214, 218, 254)  
}
```

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(214, 218, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 218, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6924, 71.5947, 103.8592 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(214, 218, 254) }
```



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

```
.border{ border-color:rgb(214, 218, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 218, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 218, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 218, 254);  
box-shadow:4px 4px 4px 4px rgb(214, 218,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6924, 71.5947, 103.8592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 218, 254) }
```

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

```
.background{ background-color: rgb(214,  
218, 254) }
```

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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