

# Converting Colors

XYZ(71.1161, 70.1992, 85.0699)

Have a look what the booklet for  
XYZ(71.1161, 70.1992, 85.0699)  
contains.

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# Color

**XYZ(71.1731, 70.3469,  
85.4284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7D5E7
RGB	231, 213, 231
RGB Percent	91%, 84%, 91%
CMY	0.0941, 0.1647, 0.0941
CMYK	0.00, 0.08, 0.00, 0.09
HSL	300°, 27%, 87%
HSV	300°, 8%, 91%
XYZ	71.1731, 70.3469, 85.4284
YIQ	220.4340, 4.9500, 9.4140

# Conversions

## Conversions Part 2

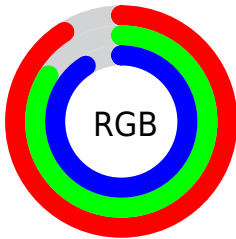
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 213, 231
Decimal	15193575
CIE Lab	87.17, 9.36, -6.59
CIE LCh	87, 11.445, 324.846
Yxy	70.3469, 0.3136, 0.3100
Android (android.graphics.Color)	4293383655 (0xFFE7D5E7)
YUV	220.4340, 5.2090, 9.2664
Hunter-Lab	83.8731, 4.6939, -1.6783

# Details

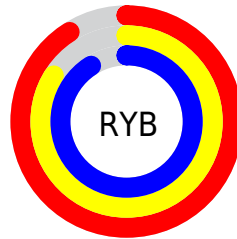
The XYZ color **71.1731, 70.3469, 85.4284** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0294, 76.1041, 74.0585**, and the grayscale version is **68.2947, 71.8513, 78.2461**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6439, 36.6628, 45.6500** is the 20% darker color. If you saturate the color by 10%, you get **65.7724, 59.5446, 83.6287**, and if you desaturate by 10%, it is **77.4055, 82.8105, 87.5070**.

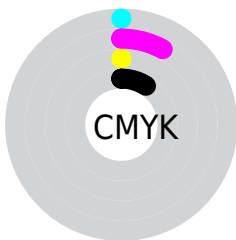
# Distribution



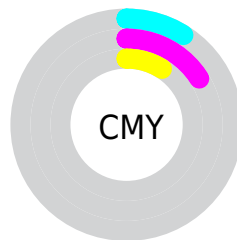
- Red (91%)
- Green (84%)
- Blue (91%)



- Red (91%)
- Yellow (84%)
- Blue (91%)



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1731, 70.3469, 85.4284 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 71.1731, 70.3469, 85.4284 by changing the saturation by 10% instead.



71.1731, 70.3469,  
85.4284

71.1731, 70.3469,  
85.4284

453.8607,  
461.7671, 533.2261

52.7665, 51.8094,  
63.6432

119.8973,  
119.7033, 142.8510

37.8431, 36.8532,  
45.9174

150.9457,  
151.2910, 179.3256

26.0376, 25.0938,  
31.8325

186.9387,  
187.9976, 221.5337

16.9846, 16.1470,  
20.9698

228.2417,  
230.2074, 269.8938

10.3188, 9.6282,  
12.9109

275.2201,  
278.3049, 324.8246

5.6747, 5.1532,  
7.2372

328.2391,

2.6871, 2.3374,

332.6744, 386.7445

3.5302

387.6642,  
393.7003, 456.0722

■ 0.9905, 0.7934,  
1.3713

■ 0.0000, 0.0000,  
0.1192

■ 71.1731, 70.3469,  
85.4284

■ 71.1731, 70.3469,  
85.4284

■ 65.7724, 59.5446,  
83.6287

■ 77.4055, 82.8105,  
87.5070

■ 61.1624, 50.3247,  
82.0917

■ 83.1397, 94.2789,  
89.4188

■ 57.3080, 42.6159,  
80.8065

■ 83.1398, 94.2789,  
89.4192

■ 54.1687, 36.3375,  
79.7597

■ 83.1399, 94.2789,  
89.4195

51.7007, 31.4016,  
78.9367

83.1399, 94.2790,  
89.4199

49.8550, 27.7104,  
78.3212

83.1400, 94.2790,  
89.4203

48.5763, 25.1529,  
77.8946

83.1401, 94.2790,  
89.4206

47.7991, 23.5988,  
77.6352

83.1401, 94.2791,  
89.4210

47.4344, 22.8694,  
77.5132

83.1402, 94.2791,  
89.4214

# Harmonies

## Analogous

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



69.0554, 70.3469, 90.8116



71.1731, 70.3469, 85.4284



72.1374, 70.3469, 77.9319

# Triad

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



71.1731, 70.3469, 85.4284



67.3275, 70.3469, 62.7936



62.2863, 70.3469, 82.9778

# Complementary

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



71.1731, 70.3469, 85.4284



68.0294, 76.1041, 74.0585

# 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.



61.8515, 70.3469, 75.2751



71.1731, 70.3469, 85.4284



64.7168, 70.3469, 63.9469

# Square

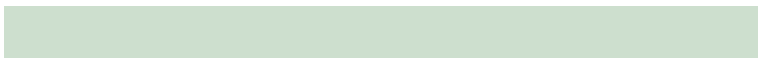
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1731, 70.3469, 85.4284



69.8795, 70.3469, 65.1319



62.7298, 70.3469, 68.3940



63.9339, 70.3469, 89.3317



# Rectangle

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



71.1731, 70.3469, 85.4284



71.9782, 70.3469, 72.8697



62.7298, 70.3469, 68.3940



61.9954, 70.3469, 80.4469

# Sweetspot

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



71.1751, 70.3499, 85.4299



93.4445, 96.7891, 108.3648



65.6617, 67.5076, 85.1722



20.0178, 20.7505, 23.2001



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.



71.1751, 70.3499, 85.4299



88.1606, 86.2213, 106.6031



69.9364, 69.8544, 78.9069



14.9952, 14.6153, 18.1750



26.5608, 12.7586, 43.4439



1.9628, 0.9428, 3.2104



# Inverse Universe

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



71.1751, 70.3499, 85.4299



88.1606, 86.2213, 106.6031



69.2038, 76.5739, 80.2425



14.9952, 14.6153, 18.1750



26.5608, 12.7586, 43.4439

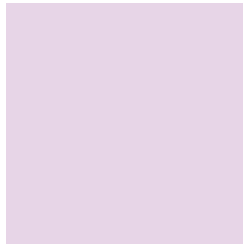


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 71.1731, 70.3469, 85.4284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

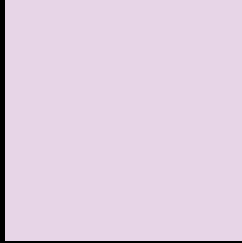
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1731, 70.3469, 85.4284 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

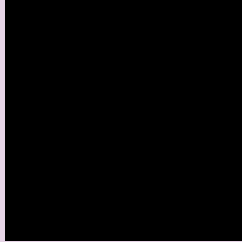
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.1731, 70.3469, 85.4284

## Background



This preview shows how black text looks on a background with the XYZ color 71.1731, 70.3469, 85.4284.



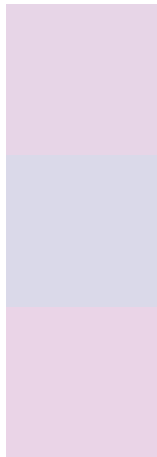
This preview shows how white text looks on a background with the XYZ color 71.1731, 70.3469,



# 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

71.1731, 70.3469, 85.4284

### Protanopia

68.4343, 70.4143, 87.0752

### Deuteranopia

71.8990, 70.3489, 85.3905



## Tritanopia

71.0322, 70.2906, 84.6866

# Trichromacy



## Original Color

71.1731, 70.3469, 85.4284

## Protanomaly

69.5528, 70.6259, 86.3103

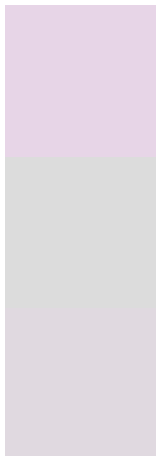
## Deuteranomaly

71.5716, 70.1801, 85.3752

## Tritanomaly

71.0322, 70.2906, 84.6866

# Monochromacy



## Original Color

71.1731, 70.3469, 85.4284

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

69.0079, 70.8548, 80.5603

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1731, 70.3469, 85.4284 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, 213, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 213, 231)  
}
```

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, 213, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 213, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1731, 70.3469, 85.4284 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, 213, 231) }
```



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

```
.border{ border-color:rgb(231, 213, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 213, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 213, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 213, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 213,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1731, 70.3469, 85.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 213, 231) }
```

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

```
.background{ background-color: rgb(231,  
213, 231) }
```

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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