

# Converting Colors

XYZ(71.2143, 70.3593, 84.1732)

Have a look what the booklet for  
XYZ(71.2143, 70.3593, 84.1732)  
contains.

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# Color

**XYZ(71.2158, 70.4014,  
83.9641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D5E5
RGB	232, 213, 229
RGB Percent	91%, 84%, 90%
CMY	0.0902, 0.1647, 0.1020
CMYK	0.00, 0.08, 0.01, 0.09
HSL	309°, 29%, 87%
HSV	309°, 8%, 91%
XYZ	71.2158, 70.4014, 83.9641
YIQ	220.5050, 6.1880, 9.0040

# Conversions

## Conversions Part 2

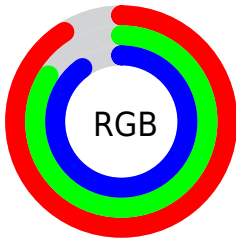
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 213, 229
Decimal	15259109
CIE Lab	87.19, 9.33, -5.48
CIE LCh	87, 10.825, 329.563
Yxy	70.4014, 0.3157, 0.3121
Android (android.graphics.Color)	4293449189 (0xFFE8D5E5)
YUV	220.5050, 4.1880, 10.0811
Hunter-Lab	83.9055, 4.6692, -0.5975

# Details

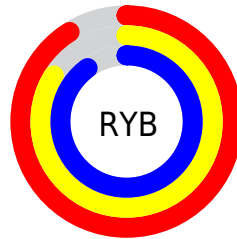
The XYZ color **71.2158, 70.4014, 83.9641** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6945, 76.8191, 76.1764**, and the grayscale version is **68.3506, 71.9102, 78.3102**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7713, 36.7398, 45.1451** is the 20% darker color. If you saturate the color by 10%, you get **65.2872, 59.3533, 79.4911**, and if you desaturate by 10%, it is **77.9940, 83.1294, 88.7753**.

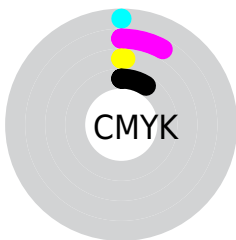
# Distribution



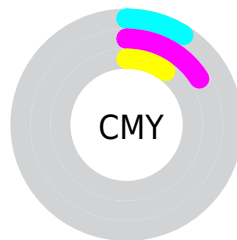
- Red (91%)
- Green (84%)
- Blue (90%)



- Red (91%)
- Yellow (84%)
- Blue (90%)



- Cyan (0%)
- Magenta (8%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (16%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2158, 70.4014, 83.9641 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 71.2158, 70.4014, 83.9641 by changing the saturation by 10% instead.



71.2158, 70.4014,  
83.9641

71.2158, 70.4014,  
83.9641

454.0076,  
461.9581, 528.2489

52.8015, 51.8538,  
62.4406

119.9578,  
119.7810, 140.7862

37.8712, 36.8886,  
44.9507

151.0162,  
151.3818, 176.9219

26.0595, 25.1212,  
31.0759

187.0200,  
188.1025, 218.7654

17.0011, 16.1674,  
20.3977

228.3346,  
230.3275, 266.7353

10.3305, 9.6427,  
12.4975

275.3252,  
278.4412, 321.2500

5.6826, 5.1627,  
6.9568

328.3574,

2.6919, 2.3430,

332.8279, 382.7282

3.3571

387.7964,  
393.8721, 451.5883

■ 0.9930, 0.7963,  
1.2797

■ 0.0000, 0.0000,  
0.0451

■ 71.2158, 70.4014,  
83.9641

■ 71.2158, 70.4014,  
83.9641

■ 65.2872, 59.3533,  
79.4911

■ 77.9940, 83.1294,  
88.7753

■ 60.1667, 49.9054,  
75.3396

■ 84.2274, 94.7513,  
93.4576

■ 55.8187, 41.9852,  
71.4982

■ 84.7664, 94.9669,  
96.2957

■ 52.2021, 35.5110,  
67.9529

■ 85.3163, 95.1869,  
99.1917

49.2723, 30.3935,  
64.6885

85.8773, 95.4113,  
102.1459

46.9796, 26.5334,  
61.6881

86.4495, 95.6402,  
105.1587

45.2675, 23.8179,  
58.9326

87.0328, 95.8735,  
108.2303

44.0695, 22.1142,  
56.3993

87.0892, 95.8961,  
108.5274

43.2915, 21.2340,  
54.0567

# Harmonies

## Analogous

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



69.3540, 70.4014, 89.4812



71.2158, 70.4014, 83.9641



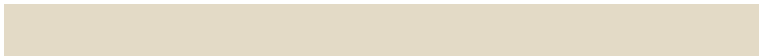
71.9198, 70.4014, 76.7618

# Triad

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



71.2158, 70.4014, 83.9641



66.9517, 70.4014, 63.4974



62.7541, 70.4014, 83.7680

# Complementary

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



71.2158, 70.4014, 83.9641



68.6945, 76.8191, 76.1764

# 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.



62.1468, 70.4014, 76.5486



71.2158, 70.4014, 83.9641



64.5327, 70.4014, 65.1174

# Square

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



71.2158, 70.4014, 83.9641



69.4201, 70.4014, 65.2130



62.7898, 70.4014, 69.7832



64.4698, 70.4014, 89.3630



# Rectangle

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



71.2158, 70.4014, 83.9641



71.6244, 70.4014, 72.0647



62.7898, 70.4014, 69.7832



62.4156, 70.4014, 81.4365

# Sweetspot

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



71.2178, 70.4044, 83.9656



93.3151, 96.7373, 107.6833



66.6373, 67.9943, 85.9571



19.9915, 20.7399, 23.0615



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.



71.2178, 70.4044, 83.9656



86.8062, 84.5390, 102.9868



69.9473, 69.8962, 77.2748



14.8922, 14.5741, 17.6326



24.0050, 11.7362, 29.9852



1.8003, 0.8778, 2.3548



# Inverse Universe

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



71.2178, 70.4044, 83.9656



86.8062, 84.5390, 102.9868



69.9379, 77.3165, 82.7242



14.8922, 14.5741, 17.6326



24.0050, 11.7362, 29.9852

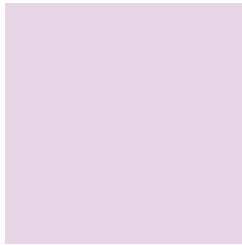


1.8003, 0.8778, 2.3548



# Previews

## White Background



This preview shows how the XYZ color 71.2158, 70.4014, 83.9641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

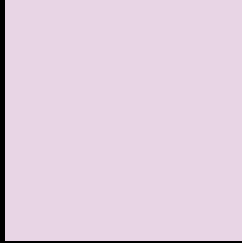
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2158, 70.4014, 83.9641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

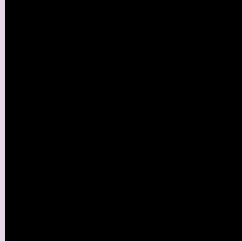
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.2158, 70.4014, 83.9641**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2158, 70.4014, 83.9641.



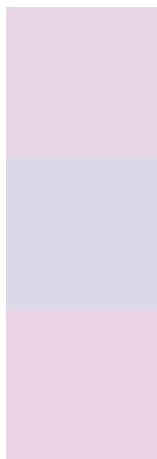
This preview shows how white text looks on a background with the XYZ color 71.2158, 70.4014,



# 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

71.2158, 70.4014, 83.9641

### Protanopia

68.5918, 70.5120, 86.3389

### Deuteranopia

71.9473, 70.4063, 83.9265



## Tritanopia

71.3559, 70.4575, 84.7017

# Trichromacy



## Original Color

71.2158, 70.4014, 83.9641

## Protanomaly

69.7201, 70.7285, 85.5786

## Deuteranomaly

71.6180, 70.2365, 83.9111

## Tritanomaly

71.3559, 70.4575, 84.7017

# Monochromacy



## Original Color

71.2158, 70.4014, 83.9641

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.5773, 71.5322, 80.6610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2158, 70.4014, 83.9641 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(232, 213, 229) looks like.

```
.text, #text, p{  
    color:rgb(232, 213, 229)  
}
```

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(232, 213, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 213, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2158, 70.4014, 83.9641 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(232, 213, 229) }
```



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

```
.border{ border-color:rgb(232, 213, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 213, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 213, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 213, 229);  
box-shadow:4px 4px 4px 4px rgb(232, 213,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2158, 70.4014, 83.9641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 213, 229) }
```

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

```
.background{ background-color: rgb(232,  
213, 229) }
```

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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