

Converting Colors

XYZ(70.3938, 71.3157, 84.8865)

Have a look what the booklet for
XYZ(70.3938, 71.3157, 84.8865)
contains.

XYZ(70.4598, 71.5076, 84.9516)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.4598, 71.5076,
84.9516)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D9E6
RGB	226, 217, 230
RGB Percent	89%, 85%, 90%
CMY	0.1137, 0.1490, 0.0980
CMYK	0.02, 0.06, 0.00, 0.10
HSL	282°, 21%, 88%
HSV	282°, 6%, 90%
XYZ	70.4598, 71.5076, 84.9516
YIQ	221.1730, 1.1910, 5.9510

Conversions

Conversions Part 2

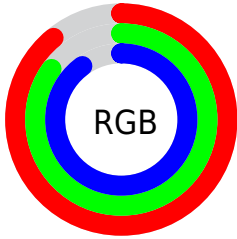
Format	Color
R _Y B	226, 217, 230
Decimal	14866918
CIE Lab	87.73, 5.40, -5.27
CIE LCh	88, 7.550, 315.698
Yxy	71.5076, 0.3105, 0.3151
Android (android.graphics.Color)	4293056998 (0xFFE2D9E6)
YUV	221.1730, 4.3517, 4.2333
Hunter-Lab	84.5622, 0.7479, -0.3695

Details

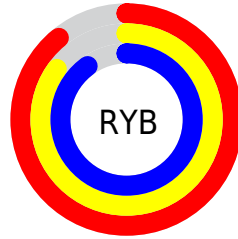
The XYZ color **70.4598, 71.5076, 84.9516** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6426, 76.9774, 76.7841**, and the grayscale version is **68.8203, 72.4043, 78.8483**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4528, 37.5937, 45.8398** is the 20% darker color. If you saturate the color by 10%, you get **62.7663, 59.3472, 83.0110**, and if you desaturate by 10%, it is **79.0753, 85.3738, 87.1750**.

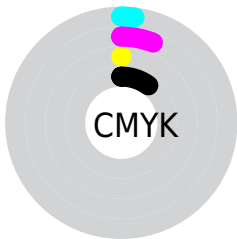
Distribution



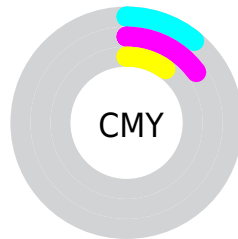
- Red (89%)
- Green (85%)
- Blue (90%)



- Red (89%)
- Yellow (85%)
- Blue (90%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (11%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4598, 71.5076, 84.9516 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 70.4598, 71.5076, 84.9516 by changing the saturation by 10% instead.

70.4598, 71.5076,
84.9516

70.4598, 71.5076,
84.9516

451.4041,
465.8259, 531.6083

52.1824, 52.7565,
63.2515

118.8869,
121.3562, 142.1791

37.3754, 37.6085,
45.6024

149.7674,
153.2225, 178.5436

25.6733, 25.6789,
31.5858

185.5796,
190.2294, 220.6332

16.7108, 16.5836,
20.7831

226.6889,
232.7613, 268.8666

10.1225, 9.9381,
12.7759

273.4606,
281.2024, 323.6623

5.5431, 5.3579,
7.1455

326.2602,

2.6073, 2.4588,

335.9373, 385.4388

3.4734

385.4529,
397.3504, 454.6146

■ 0.9497, 0.8559,
1.3412

■ 0.0000, 0.0000,
0.0952

■ 70.4598, 71.5076,
84.9516

■ 70.4598, 71.5076,
84.9516

■ 62.7663, 59.3472,
83.0110

■ 79.0753, 85.3738,
87.1750

■ 55.9535, 48.8148,
81.3371

■ 86.0323, 95.7864,
88.8182

■ 49.9860, 39.8404,
79.9194

■ 88.4848, 97.0507,
88.9330

■ 44.8236, 32.3449,
78.7447

■ 91.0321, 98.3638,
89.0522

■ 40.4224, 26.2425,
77.7988

■ 91.2831, 98.4933,
89.0639

■ 36.7340, 21.4382,
77.0658

■ 33.7041, 17.8247,
76.5281

■ 31.2692, 15.2774,
76.1647

■ 29.3517, 13.6426,
75.9502

Harmonies

Analogous

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



68.9017, 71.5076, 87.7433



70.4598, 71.5076, 84.9516



71.3570, 71.5076, 80.3209

Triad

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



70.4598, 71.5076, 84.9516



68.8199, 71.5076, 68.6902



64.7048, 71.5076, 80.5582

Complementary

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



70.4598, 71.5076, 84.9516



70.6426, 76.9774, 76.7841

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.



64.6838, 71.5076, 75.4491



70.4598, 71.5076, 84.9516



67.0385, 71.5076, 68.7475

Square

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



70.4598, 71.5076, 84.9516



70.3990, 71.5076, 71.0138



65.5314, 71.5076, 71.1738



65.5894, 71.5076, 85.1319

Rectangle

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



70.4598, 71.5076, 84.9516



71.4497, 71.5076, 76.8846



65.5314, 71.5076, 71.1738



64.5971, 71.5076, 78.8428

Sweetspot

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



70.4619, 71.5107, 84.9532



92.8694, 96.4926, 108.3379



68.7883, 72.2424, 85.1826



19.9008, 20.6901, 23.1947



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.



70.4619, 71.5107, 84.9532



87.6253, 88.1082, 106.9960



71.3985, 72.0319, 83.2621



14.8625, 14.8915, 18.2353



16.3354, 7.4871, 42.9674



1.3010, 0.6017, 3.1795

Inverse Universe

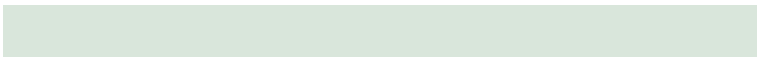
The Inverse Universe completely reimagines the original color for something new.



70.4996, 71.6724, 78.5286



87.6915, 88.3648, 96.9464



69.7514, 76.4819, 78.3721



14.8751, 14.9387, 16.3974



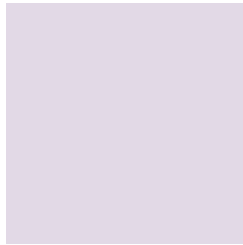
19.1631, 9.7995, 4.4879



1.4565, 0.7403, 0.5445

Previews

White Background



This preview shows how the XYZ color 70.4598, 71.5076, 84.9516 looks on a white background.

Color Contrast Check

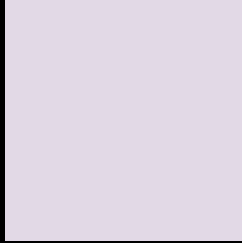
Large Text (above 18pt) WCAG AA × Fail

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 70.4598, 71.5076, 84.9516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

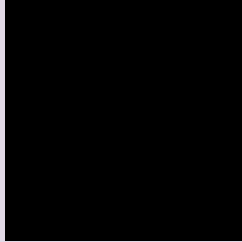
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

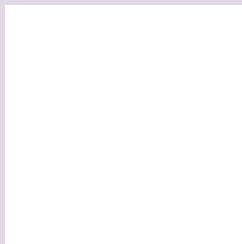
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4598, 71.5076, 84.9516

Background



This preview shows how black text looks on a background with the XYZ color 70.4598, 71.5076, 84.9516.

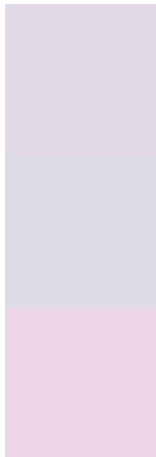


This preview shows how white text looks on a background with the XYZ color 70.4598, 71.5076,

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

70.4598, 71.5076, 84.9516

Protanopia

69.5741, 71.8047, 85.7941

Deuteranopia

72.8101, 71.1909, 85.5050



Tritanopia

71.0857, 71.3831, 87.8736

Trichromacy



Original Color

70.4598, 71.5076, 84.9516

Protanomaly

69.9266, 71.6003, 85.7360

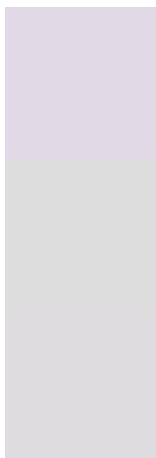
Deuteranomaly

71.7491, 71.0185, 85.5277

Tritanomaly

70.9424, 71.3258, 87.1190

Monochromacy



Original Color

70.4598, 71.5076, 84.9516

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.4792, 72.2562, 80.8059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4598, 71.5076, 84.9516 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, 217, 230) looks like.

```
.text, #text, p{  
    color:rgb(226, 217, 230)  
}
```

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, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 217, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.4598, 71.5076, 84.9516 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, 217, 230) }
```


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

```
.border{ border-color:rgb(226, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(226, 217,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4598, 71.5076, 84.9516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 217, 230) }
```

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

```
.background{ background-color: rgb(226,  
217, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor