

Converting Colors

XYZ(70.3510, 71.0152, 85.0361)

Have a look what the booklet for
XYZ(70.3510, 71.0152, 85.0361)
contains.

XYZ(70.2028, 70.9937, 84.8660)	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(70.2028, 70.9937,
84.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D8E6
RGB	226, 216, 230
RGB Percent	89%, 85%, 90%
CMY	0.1137, 0.1529, 0.0980
CMYK	0.02, 0.06, 0.00, 0.10
HSL	283°, 22%, 87%
HSV	283°, 6%, 90%
XYZ	70.2028, 70.9937, 84.8660
YIQ	220.5860, 1.4660, 6.4740

Conversions

Conversions Part 2

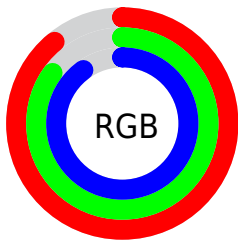
Format	Color
R _{YB}	226, 216, 230
Decimal	14866662
CIE Lab	87.48, 5.93, -5.64
CIE LCh	87, 8.182, 316.413
Yxy	70.9937, 0.3105, 0.3140
Android (android.graphics.Color)	4293056742 (0xFFE2D8E6)
YUV	220.5860, 4.6411, 4.7481
Hunter-Lab	84.2578, 1.2735, -0.7376

Details

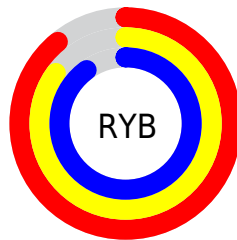
The XYZ color **70.2028, 70.9937, 84.8660** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.2095, 76.7691, 76.0869**, and the grayscale version is **68.4066, 71.9691, 78.3744**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2773, 37.2428, 45.7813** is the 20% darker color. If you saturate the color by 10%, you get **62.6966, 58.9820, 82.9442**, and if you desaturate by 10%, it is **78.6169, 84.7017, 87.0695**.

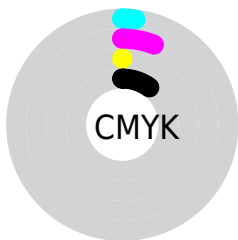
Distribution



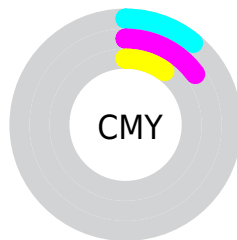
- Red (89%)
- Green (85%)
- Blue (90%)



- 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 70.2028, 70.9937, 84.8660 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 70.2028, 70.9937, 84.8660 by changing the saturation by 10% instead.

70.2028, 70.9937,
84.8660

70.2028, 70.9937,
84.8660

450.5171,
464.0314, 531.3176

51.9721, 52.3371,
63.1812

118.5226,
120.6248, 142.0584

37.2070, 37.2738,
45.5458

149.3424,
152.3680, 178.4031

25.5422, 25.4196,
31.5415

185.0893,
189.2421, 220.4715

16.6124, 16.3899,
20.7496

226.1286,
231.6317, 268.6821

10.0521, 9.8005,
12.7517

272.8256,
279.9210, 323.4535

5.4960, 5.2669,
7.1290

325.5458,

2.5789, 2.4047,

334.4944, 385.2041

3.4633

384.6545,
395.7365, 454.3527

■ 0.9352, 0.8283,
1.3358

■ 0.0000, 0.0000,
0.0908

■ 70.2028, 70.9937,
84.8660

■ 70.2028, 70.9937,
84.8660

■ 62.6966, 58.9820,
82.9442

■ 78.6169, 84.7017,
87.0695

■ 56.0572, 48.5890,
81.2881

■ 85.6899, 95.6098,
88.8022

■ 50.2493, 39.7443,
79.8870

■ 87.9517, 96.7758,
88.9081

■ 45.2327, 32.3689,
78.7278

■ 90.2951, 97.9839,
89.0177

■ 40.9637, 26.3766,
77.7962

■ 91.2831, 98.4933,
89.0640

■ 37.3939, 21.6721,
77.0763

■ 34.4688, 18.1478,
76.5502

■ 32.1249, 15.6779,
76.1970

■ 30.2834, 14.1068,
75.9908

Harmonies

Analogous

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



68.5320, 70.9937, 87.9561



70.2028, 70.9937, 84.8660



71.1513, 70.9937, 79.8252

Triad

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



70.2028, 70.9937, 84.8660



68.3534, 70.9937, 67.4175



63.9779, 70.9937, 80.3440

Complementary

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



70.2028, 70.9937, 84.8660



70.2095, 76.7691, 76.0869

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.



63.9321, 70.9937, 74.8288



70.2028, 70.9937, 84.8660



66.4336, 70.9937, 67.5415

Square

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



70.2028, 70.9937, 84.8660



70.0699, 70.9937, 69.8505



64.8234, 70.9937, 70.1977



64.9496, 70.9937, 85.2613

Rectangle

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



70.2028, 70.9937, 84.8660



71.2349, 70.9937, 76.1183



64.8234, 70.9937, 70.1977



63.8544, 70.9937, 78.4940

Sweetspot

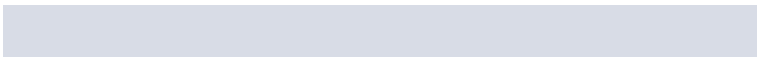
The Sweet Spot groups the original color and five complimentary colors.



70.2049, 70.9967, 84.8675



92.9103, 96.5137, 108.3398



68.2505, 71.6067, 85.0883



19.9091, 20.6944, 23.1951



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.



70.2049, 70.9967, 84.8675



87.7656, 88.1805, 107.0025



71.0839, 71.4950, 82.8729



14.8881, 14.9048, 18.2365



16.9109, 7.7838, 42.9943



1.3400, 0.6218, 3.1814

Inverse Universe

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



70.1099, 71.1054, 77.7435



87.6325, 88.3412, 96.6355



69.3782, 76.2984, 77.9535



14.8643, 14.9344, 16.3407



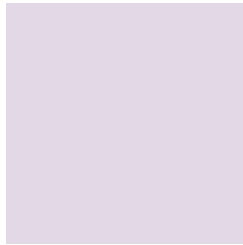
19.0729, 9.7634, 4.0131



1.4485, 0.7371, 0.5022

Previews

White Background



This preview shows how the XYZ color 70.2028, 70.9937, 84.8660 looks on a white background.

Color Contrast Check

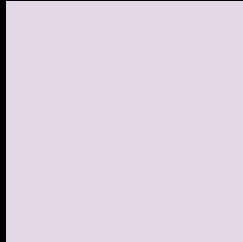
Large Text (above 18pt) WCAG AA × Fail

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 70.2028, 70.9937, 84.8660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

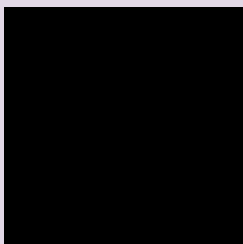
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2028, 70.9937, 84.8660

Background



This preview shows how black text looks on a background with the XYZ color 70.2028, 70.9937, 84.8660.

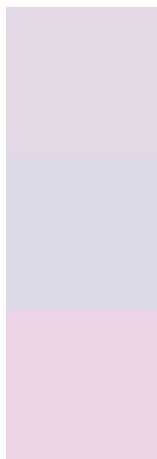


This preview shows how white text looks on a background with the XYZ color 70.2028, 70.9937,

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

70.2028, 70.9937, 84.8660

Protanopia

69.0104, 71.1280, 85.6931

Deuteranopia

72.4790, 71.0202, 85.4895



Tritanopia

70.6279, 71.1637, 87.1043

Trichromacy



Original Color

70.2028, 70.9937, 84.8660

Protanomaly

69.3609, 70.9248, 85.6355

Deuteranomaly

71.7491, 71.0185, 85.5277

Tritanomaly

70.4854, 71.1067, 86.3539

Monochromacy



Original Color

70.2028, 70.9937, 84.8660

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.2175, 71.7328, 80.7187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2028, 70.9937, 84.8660 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, 216, 230) looks like.

```
.text, #text, p{  
    color:rgb(226, 216, 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, 216, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 216, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.2028, 70.9937, 84.8660 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, 216, 230) }
```


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

```
.border{ border-color:rgb(226, 216, 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, 216, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 216, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 216, 230);  
box-shadow:4px 4px 4px 4px rgb(226, 216,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2028, 70.9937, 84.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 216, 230) }
```

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

```
.background{ background-color: rgb(226,  
216, 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