

Converting Colors

Hex(870F70)

Have a look what the booklet for
Hex(870F70) contains.

Hex(870F70)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(870F70)

Conversions

Conversions Part 1

Format	Color
Hex	870F70
RGB	135, 15, 112
RGB Percent	53%, 6%, 44%
CMY	0.4706, 0.9412, 0.5608
CMYK	0.00, 0.89, 0.17, 0.47
HSL	312°, 80%, 29%
HSV	312°, 89%, 53%
XYZ	13.0871, 6.6624, 15.9254
YIQ	61.9380, 40.3830, 55.6070

Conversions

Conversions Part 2

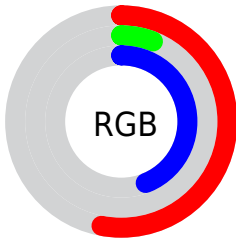
Format	Color
R_{YB}	135, 15, 112
Decimal	8851312
CIE _{Lab}	31.03, 55.49, -24.30
CIE _{LCh}	31, 60.579, 336.354
Yxy	6.6624, 0.3668, 0.1868
Android (android.graphics.Color)	4287041392 (0xFF870F70)
YUV	61.9380, 24.6806, 64.0754
Hunter-Lab	25.8116, 45.3336, -18.5130

Details

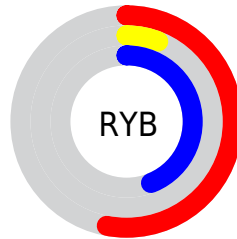
The Hex color **870F70** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **0F8726**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **C04EA4**, and **510040** is the 20% darker color. If you saturate the color by 10%, you get **87026D**, and if you desaturate by 10%, it is **871D73**.

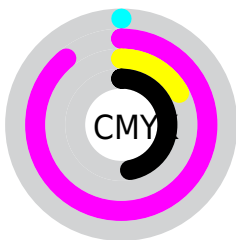
Distribution



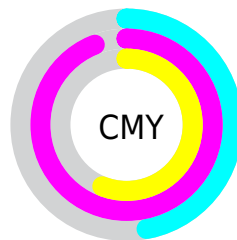
- Red (53%)
- Green (6%)
- Blue (44%)



- Red (53%)
- Yellow (6%)
- Blue (44%)



- Cyan (0%)
- Magenta (89%)
- Yellow (17%)
- Black (47%)



- Cyan (47%)
- Magenta (94%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 870F70 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 Hex color 870F70 by changing the saturation by 10% instead.

 870F70

 870F70

FFFFFF

 6C0057

 C04EA4

 510040

 DD69BF

 39002A

 FA85DB

 1A0013

 FFA1F8

 000000

 FFBDFE

 FFDAFF

 FFF7FF

 870F70

 870F70

■ 87026D

■ 871D73

■ 87006D

■ 872A75

■ 873878

■ 87457A

■ 87537D

■ 876080

■ 876E82

■ 877B85

■ 878987

Harmonies

Analogous

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



523697



870F70



990041

Triad

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



870F70



514B00



005C81

Complementary

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



870F70



0F8726

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.



005C52



870F70



1A5500

Square

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



870F70



773700



005A20



0058A1

Rectangle

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



870F70



960323



005A20



005C72

Sweetspot

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



870F70



B080A7



250F87



593D54



D9D9D9



595959

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



870F70



B0008E



870F35



423C41



820069



030002

Inverse Universe

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



870F70



B0008E



0F8761



423C41



820069



030002

Previews

White Background



This preview shows how the Hex color 870F70 looks on a white background.

Color Contrast Check

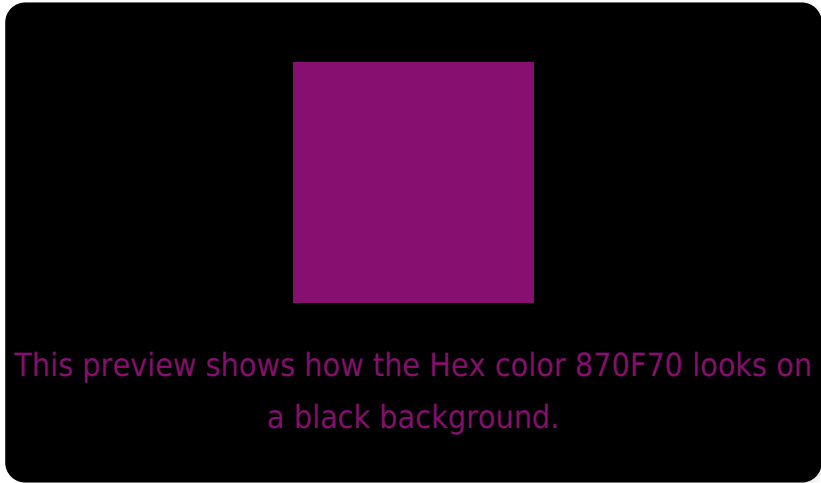
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

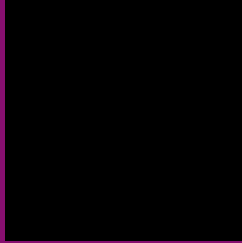
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 870F70 Background



This preview shows how black text looks on a background with the Hex color 870F70.



This preview shows how white text looks on a background with the Hex color 870F70.

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





Tritanopia
812E30

Trichromacy



Original Color
870F70



Protanomaly
31338B



Deuteranomaly
5A356C



Tritanomaly
832347

Monochromacy



Original Color
870F70



Achromatopsia
3E3E3E



Achromatomaly
592D50

CSS Examples

Text

The CSS property to change the color of the text to Hex 870F70 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 #870F70 looks like.

```
.text, #text, p{  
    color:#870F70  
}
```

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 #870F70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870F70
}
```

Border

The CSS property to change the border of an element to Hex 870F70 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
#870F70 }
```

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

```
.border{ border-color:#870F70 }
```

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

Here you see how a box with a 4 pixel #870F70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870F70; -webkit-box-shadow:4px 4px  
4px 4px #870F70; box-shadow:4px 4px 4px  
4px #870F70 }
```

Background

The CSS property to change the background color of an element to Hex 870F70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870F70 }
```

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

```
.background{ background-color:#870F70 }
```

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