

Converting Colors

Hex(87170B)

Have a look what the booklet for
Hex(87170B) contains.

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Color

Hex(87170B)

Conversions

Conversions Part 1

Format	Color
Hex	87170B
RGB	135, 23, 11
RGB Percent	53%, 9%, 4%
CMY	0.4706, 0.9098, 0.9569
CMYK	0.00, 0.83, 0.92, 0.47
HSL	6°, 85%, 29%
HSV	6°, 92%, 53%
XYZ	10.3585, 5.7879, 0.8878
YIQ	55.1200, 70.6040, 20.0120

Conversions

Conversions Part 2

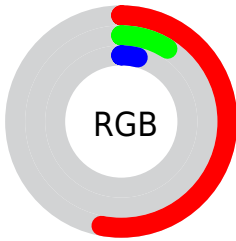
Format	Color
R_{YB}	135, 24, 11
Decimal	8853259
CIE Lab	28.87, 45.42, 37.08
CIE LCh	29, 58.634, 39.225
Yxy	5.7879, 0.6081, 0.3398
Android (android.graphics.Color)	4287043339 (0xFF87170B)
YUV	55.1200, -21.7512, 70.0548
Hunter-Lab	24.0580, 34.7542, 14.6526

Details

The Hex color **87170B** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0B7B87**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **C44F38**, and **4C0000** is the 20% darker color. If you saturate the color by 10%, you get **870D00**, and if you desaturate by 10%, it is **872319**.

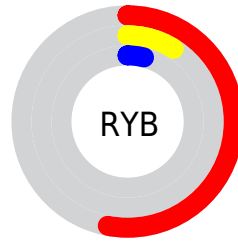
Distribution



Red (53%)

Green (9%)

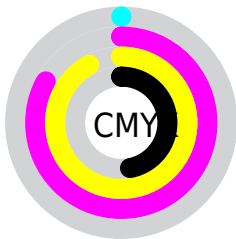
Blue (4%)



Red (53%)

Yellow (9%)

Blue (4%)

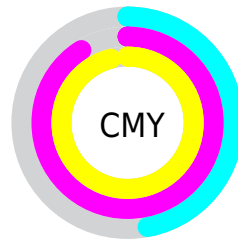


Cyan (0%)

Magenta (83%)

Yellow (92%)

Black (47%)



Cyan (47%)

Magenta (91%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87170B 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 87170B by changing the saturation by 10% instead.

 87170B

 87170B

 FFFFEE

 6A0000

 C44F38

 4C0000

 E2694F

 320002

 FF8468

 000000

 FF9F81

 FFBB9B

 FFD7B6

 FFF4D2

 87170B

 87170B

870D00

872319

872F26

873C34

874841

87544F

87605C

876C6A

877977

878585

Harmonies

Analogous

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



900038



87170B



6D3500

Triad

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



87170B



005521



00469F

Complementary

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



87170B



0B7B87

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.



00529A



87170B



005651

Square

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



87170B



0C5000



00567D



532F8B

Rectangle

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



87170B



554200



00567D



004BA0

Sweetspot

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



87170B



B0837F



870B7D



593E3B



D9D9D9



595959

Same Dimension

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



87170B



B01100



87530B



423C3C



820D00



030000

Inverse Universe

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



0B7B87



009FB0



0B3F87



3C4242



007582



000203

Previews

White Background



This preview shows how the Hex color 87170B 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 87170B Background



This preview shows how black text looks on a background with the Hex color 87170B.



This preview shows how white text looks on a background with the Hex color 87170B.

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
87170B

Protanopia
4F4616

Deuteranopia
584300



Tritanopia
871615

Trichromacy



Original Color
87170B

Protanomaly
633512

Deuteranomaly
693304

Tritanomaly
871611

Monochromacy



Original Color
87170B

Achromatopsia
373737

Achromatomaly
542B27

CSS Examples

Text

The CSS property to change the color of the text to Hex 87170B 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 #87170B looks like.

```
.text, #text, p{  
    color:#87170B  
}
```

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 #87170B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87170B
}
```

Border

The CSS property to change the border of an element to Hex 87170B 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".

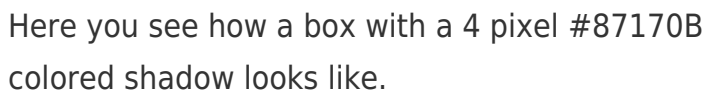
```
.border, #border, table{ border:4px solid
#87170B }
```

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

```
.border{ border-color:#87170B }
```

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

Here you see how a box with a 4 pixel #87170B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87170B; -webkit-box-shadow:4px 4px  
4px 4px #87170B; box-shadow:4px 4px 4px  
4px #87170B }
```

Background

The CSS property to change the background color of an element to Hex 87170B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87170B }
```

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

```
.background{ background-color:#87170B }
```

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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