

Converting Colors

Hex(231710)

Have a look what the booklet for
Hex(231710) contains.

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Color

Hex(231710)

Conversions

Conversions Part 1

Format	Color
Hex	231710
RGB	35, 23, 16
RGB Percent	14%, 9%, 6%
CMY	0.8627, 0.9098, 0.9373
CMYK	0.00, 0.34, 0.54, 0.86
HSL	22°, 37%, 10%
HSV	22°, 54%, 14%
XYZ	1.0931, 1.0075, 0.6271
YIQ	25.7900, 9.3990, 0.3670

Conversions

Conversions Part 2

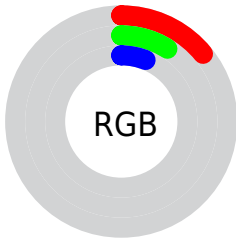
Format	Color
RYB	35, 27, 16
Decimal	2299664
CIELab	9.05, 4.87, 6.64
CIELCh	9, 8.234, 53.757
Yxy	1.0075, 0.4007, 0.3694
Android (android.graphics.Color)	4280489744 (0xFF231710)
YUV	25.7900, -4.8265, 8.0772
Hunter-Lab	10.0376, 1.8723, 3.3223

Details

The Hex color **231710** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **101C23**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **50423A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **23150D**, and if you desaturate by 10%, it is **231914**.

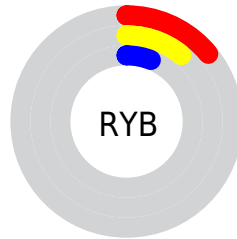
Distribution



Red (14%)

Green (9%)

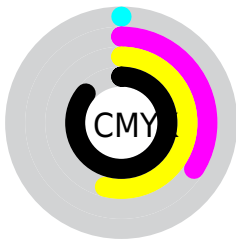
Blue (6%)



Red (14%)

Yellow (11%)

Blue (6%)

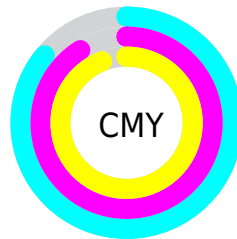


Cyan (0%)

Magenta (34%)

Yellow (54%)

Black (86%)



Cyan (86%)

Magenta (91%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231710 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 231710 by changing the saturation by 10% instead.

■ 231710

■ 231710

■ FFF9F0

■ 020000

■ 50423A

■ 000000

■ 685951

■ 81716A

■ 9C8B83

■ B7A59D

■ D2C0B8

■ EFD3D3

■ 231710

■ 231710

■ 23150D

■ 231914

■ 231309

■ 231B17

■ 231005

■ 231E1B

■ 230E02

■ 23201E

■ 230D00

■ 232222

■ 232425

■ 232629

■ 23292C

■ 232B30

Harmonies

Analogous

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



251615



231710



1F190D

Triad

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



231710



0C1D18



191924

Complementary

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



231710



101C23

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.



111A24



231710



091D1E

Square

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



231710



131C13



0A1C22



201720

Rectangle

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



231710



1B1A0D



0A1C22



161924

Sweetspot

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



231710



2E2927



23101C



171413



969696



171717

Same Dimension

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



231710



2E1B10



232010



121110



521E00



D14D00

Inverse Universe

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



101C23



10232E



101323



101112



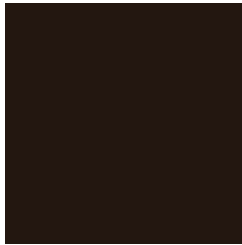
003452



0084D1

Previews

White Background



This preview shows how the Hex color 231710 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

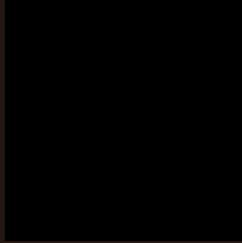
Any Text WCAG AA × Fail

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 231710 Background



This preview shows how black text looks on a background with the Hex color 231710.

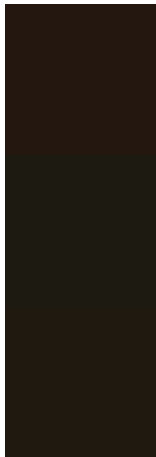


This preview shows how white text looks on a background with the Hex color 231710.

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](#).

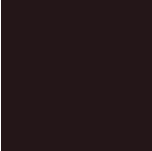
Dichromacy



Original Color
231710

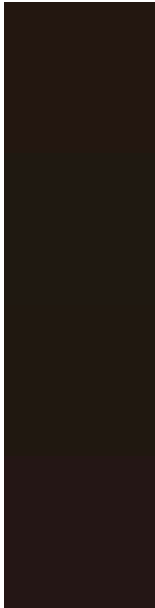
Protanopia
1C1A11

Deuteranopia
1F1910



Tritanopia
241618

Trichromacy



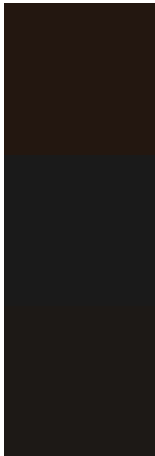
Original Color
231710

Protanomaly
1F1911

Deuteranomaly
201810

Tritanomaly
241615

Monochromacy



Original Color
231710

Achromatopsia
1A1A1A

Achromatomaly
1D1916

CSS Examples

Text

The CSS property to change the color of the text to Hex 231710 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 #231710 looks like.

```
.text, #text, p{  
    color:#231710  
}
```

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 #231710 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231710
}
```

Border

The CSS property to change the border of an element to Hex 231710 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
#231710 }
```

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

```
.border{ border-color:#231710 }
```

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

Here you see how a box with a 4 pixel #231710 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231710; -webkit-box-shadow:4px 4px  
4px 4px #231710; box-shadow:4px 4px 4px  
4px #231710 }
```

Background

The CSS property to change the background color of an element to Hex 231710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231710 }
```

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

```
.background{ background-color:#231710 }
```

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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