

Converting Colors

Hex(230B01)

Have a look what the booklet for
Hex(230B01) contains.

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Color

Hex(230B01)

Conversions

Conversions Part 1

Format	Color
Hex	230B01
RGB	35, 11, 1
RGB Percent	14%, 4%, 0%
CMY	0.8627, 0.9569, 0.9961
CMYK	0.00, 0.69, 0.97, 0.86
HSL	18°, 94%, 7%
HSV	18°, 97%, 14%
XYZ	0.8183, 0.5989, 0.1012
YIQ	17.0360, 17.5140, 1.9780

Conversions

Conversions Part 2

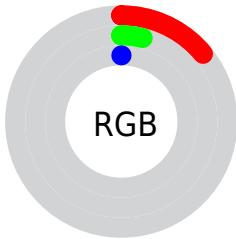
Format	Color
RYB	35, 15, 1
Decimal	2296577
CIELab	5.41, 10.20, 7.88
CIElCh	5, 12.892, 37.676
Yxy	0.5989, 0.5389, 0.3944
Android (android.graphics.Color)	4280486657 (0xFF230B01)
YUV	17.0360, -7.9057, 15.7544
Hunter-Lab	7.7386, 5.3322, 4.6418

Details

The Hex color **230B01** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **011923**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **4F3631**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **230A00**, and if you desaturate by 10%, it is **230D04**.

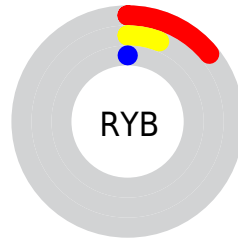
Distribution



Red (14%)

Green (4%)

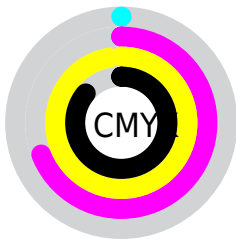
Blue (0%)



Red (14%)

Yellow (6%)

Blue (0%)

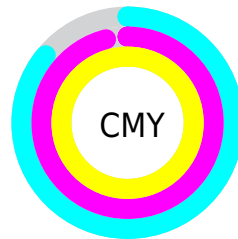


Cyan (0%)

Magenta (69%)

Yellow (97%)

Black (86%)



Cyan (86%)

Magenta (96%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 230B01 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 230B01 by changing the saturation by 10% instead.

 230B01

 230B01

 FFEBE3

 000000

 4F3631

 684D47

 81655F

 9B7E78

 B79891

 D2B3AC

 EFCEC7

 230B01

 230B01

■ 230A00

■ 230D04

■ 231008

■ 23120C

■ 23150F

■ 231712

■ 231A16

■ 231C19

■ 231F1D

■ 232121

Harmonies

Analogous

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



230A0F



230B01



1E0E00

Triad

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



230B01



001707



081223

Complementary

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



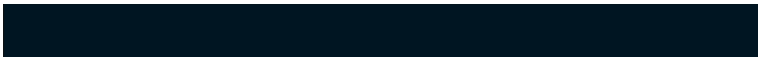
230B01



011923

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.



001522



230B01



001814

Square

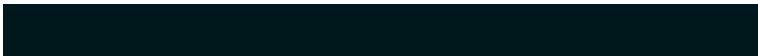
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



230B01



0A1500



00171C



170E20

Rectangle

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



230B01



191100



00171C



011323

Sweetspot

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



230B01



2E2521



230119



17110F



969696



171717

Same Dimension

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



230B01



2E0D00



231C01



121110



521800



D13D00

Inverse Universe

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



011923



00202E



010823



101112



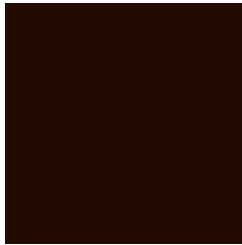
003A52



0094D1

Previews

White Background



This preview shows how the Hex color 230B01 looks on a white background.

Color Contrast Check

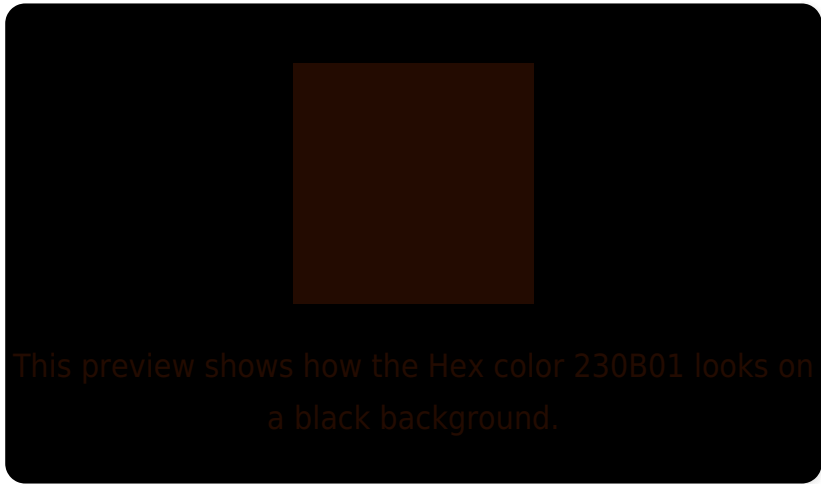
Large Text (above 18pt) WCAG AA ✓ Pass

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

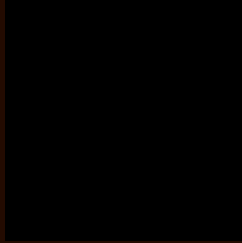
Any Text WCAG AA × Fail

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 230B01 Background



This preview shows how black text looks on a background with the Hex color 230B01.

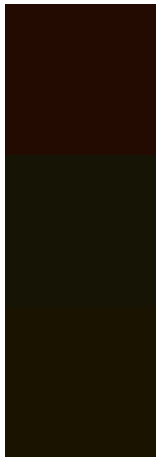


This preview shows how white text looks on a background with the Hex color 230B01.

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](#).

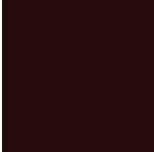
Dichromacy



Original Color
230B01

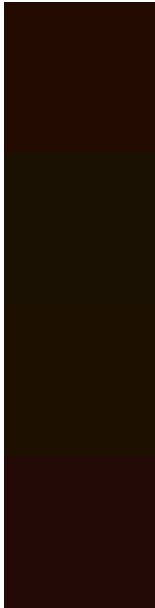
Protanopia
161404

Deuteranopia
191300



Tritanopia
230A0B

Trichromacy



Original Color
230B01

Protanomaly
1B1103

Deuteranomaly
1D1000

Tritanomaly
230A07

Monochromacy



Original Color
230B01

Achromatopsia
111111

Achromatomaly
180F0B

CSS Examples

Text

The CSS property to change the color of the text to Hex 230B01 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 #230B01 looks like.

```
.text, #text, p{  
    color:#230B01  
}
```

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 #230B01 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #230B01
}
```

Border

The CSS property to change the border of an element to Hex 230B01 is called "border". The border property can be set on classes, ids or directly on the HTML element.

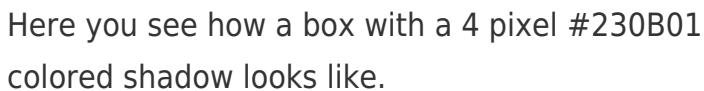
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#230B01 }
```

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

```
.border{ border-color:#230B01 }
```

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



Here you see how a box with a 4 pixel #230B01 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #230B01; -webkit-box-shadow:4px 4px  
4px 4px #230B01; box-shadow:4px 4px 4px  
4px #230B01 }
```

Background

The CSS property to change the background color of an element to Hex 230B01 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#230B01 }
```

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

```
.background{ background-color:#230B01 }
```

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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