

# Converting Colors

Hex(231508)

Have a look what the booklet for  
Hex(231508) contains.

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# Color

**Hex(231508)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	231508
RGB	35, 21, 8
RGB Percent	14%, 8%, 3%
CMY	0.8627, 0.9176, 0.9686
CMYK	0.00, 0.40, 0.77, 0.86
HSL	29°, 63%, 8%
HSV	29°, 77%, 14%
XYZ	1.0051, 0.9112, 0.3526
YIQ	23.7040, 12.5170, -1.0750

# Conversions

## Conversions Part 2

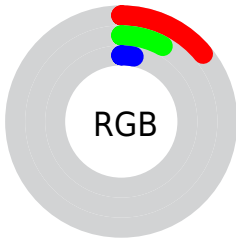
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">35, 33, 8</a>
Decimal	<a href="#">2299144</a>
CIELab	<a href="#">8.23, 5.32, 9.14</a>
CIElCh	<a href="#">8, 10.576, 59.831</a>
Yxy	<a href="#">0.9112, 0.4430, 0.4016</a>
Android (android.graphics.Color)	<a href="#">4280489224 (0xFF231508)</a>
YUV	<a href="#">23.7040, -7.7421, 9.9066</a>
Hunter-Lab	<a href="#">9.5456, 2.0908, 4.4917</a>

# Details

The Hex color **231508** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **081623**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **503F35**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **231304**, and if you desaturate by 10%, it is **23170C**.

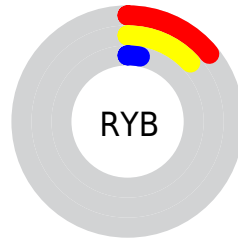
# Distribution



Red (14%)

Green (8%)

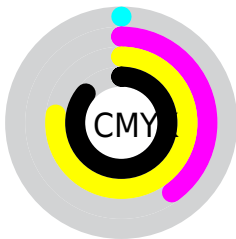
Blue (3%)



Red (14%)

Yellow (13%)

Blue (3%)

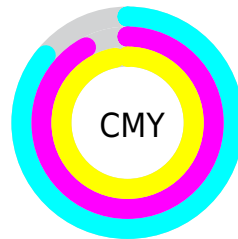


Cyan (0%)

Magenta (40%)

Yellow (77%)

Black (86%)



Cyan (86%)

Magenta (92%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 231508 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 231508 by changing the saturation by 10% instead.



 231508

 231508

 FFF6E8

 000000

 503F35

 68574B

 826F63

 9C887C

 B7A396

 D3BEB1

 EFD9CC

 231508

 231508

■ 231304

■ 23170C

■ 231101

■ 23190F

■ 231100

■ 231A12

■ 231C16

■ 231E19

■ 23201D

■ 232221

■ 232424

■ 232528

# Harmonies

## Analogous

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



261310



231508



1E1704

# Triad

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



231508



021C18



191624

# Complementary

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



231508



081623

# 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.



0E1926



231508



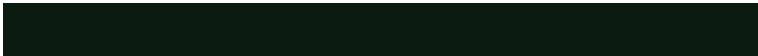
001C1F

# Square

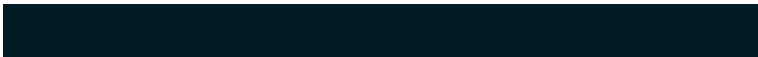
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231508



0C1B10



031B24



21141F

# Rectangle

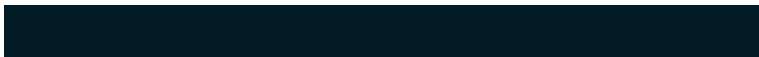
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231508



191906



031B24



151725



# Sweetspot

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



231508



2E2823



230816



171411



969696



171717



# Same Dimension

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



231508



2E1803



232208



121110



522700



D16500



# Inverse Universe

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



081623



03192E



080923



101112



002A52

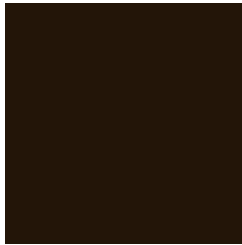


006CD1



# Previews

## White Background



This preview shows how the Hex color 231508 looks on a white background.

## Color Contrast Check

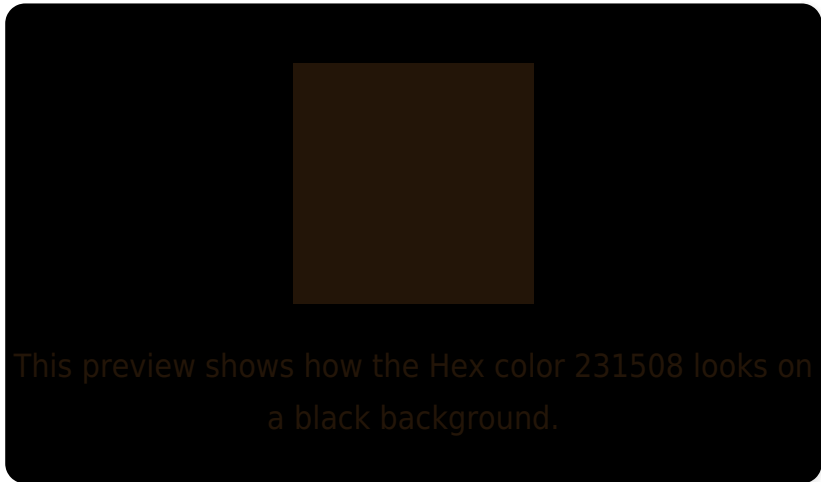
Large Text (above 18pt) WCAG AA ✓ Pass

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

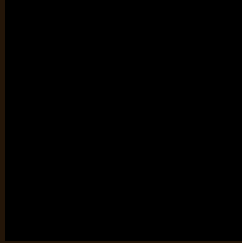
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 231508 Background



This preview shows how black text looks on a background with the Hex color 231508.

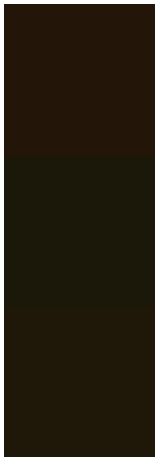


This preview shows how white text looks on a background with the Hex color 231508.

# 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](#).

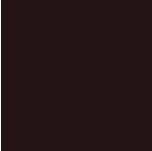
## Dichromacy



**Original Color**  
231508

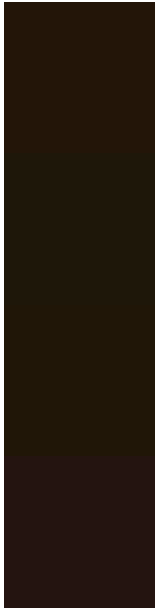
**Protanopia**  
1B1809

**Deuteranopia**  
1F1707



**Tritanopia**  
241415

# Trichromacy



**Original Color**  
231508

**Protanomaly**  
1E1709

**Deuteranomaly**  
201607

**Tritanomaly**  
241410

# Monochromacy



**Original Color**  
231508

**Achromatopsia**  
181818

**Achromatomaly**  
1C1712

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 231508 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 #231508 looks like.

```
.text, #text, p{  
    color:#231508  
}
```

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 #231508 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231508
}
```

## Border

The CSS property to change the border of an element to Hex 231508 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
#231508 }
```

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

```
.border{ border-color:#231508 }
```

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

Here you see how a box with a 4 pixel #231508 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231508; -webkit-box-shadow:4px 4px  
4px 4px #231508; box-shadow:4px 4px 4px  
4px #231508 }
```

# Background

The CSS property to change the background color of an element to Hex 231508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231508 }
```

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

```
.background{ background-color:#231508 }
```

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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