

# Converting Colors

Hex(D23B16)

Have a look what the booklet for  
Hex(D23B16) contains.

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# Color

**Hex(D23B16)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | D23B16                     |
| RGB           | 210, 59, 22                |
| RGB Percent   | 82%, 23%, 9%               |
| CMY           | 0.1765, 0.7686, 0.9137     |
| CMYK          | 0.00, 0.72, 0.90, 0.18     |
| HSL           | 12°, 81%, 45%              |
| HSV           | 12°, 90%, 82%              |
| XYZ           | 28.2871, 16.8875, 2.5278   |
| YIQ           | 99.9310, 101.8730, 20.5050 |

# Conversions

## Conversions Part 2

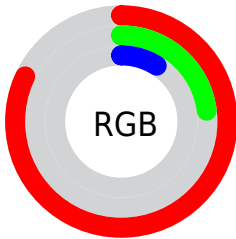
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 210, 68, 22                   |
| Decimal                             | 13777686                      |
| CIE Lab                             | 48.12, 57.46, 53.49           |
| CIE LCh                             | 48, 78.503, 42.955            |
| Yxy                                 | 16.8875, 0.5930,<br>0.3540    |
| Android<br>(android.graphics.Color) | 4291967766<br>(0xFFD23B16)    |
| YUV                                 | 99.9310, -38.4200,<br>96.5305 |
| Hunter-Lab                          | 41.0944, 50.9544,<br>25.1191  |

# Details

The Hex color **D23B16** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **16ADD2**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **FF7448**, and **920000** is the 20% darker color. If you saturate the color by 10%, you get **D22A01**, and if you desaturate by 10%, it is **D24C2B**.

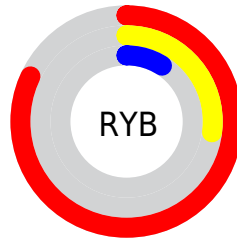
# Distribution



Red (82%)

Green (23%)

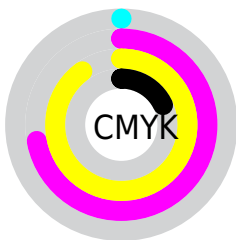
Blue (9%)



Red (82%)

Yellow (27%)

Blue (9%)

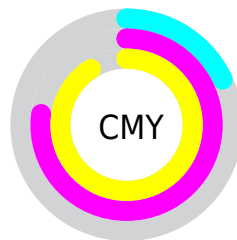


Cyan (0%)

Magenta (72%)

Yellow (90%)

Black (18%)



Cyan (18%)

Magenta (77%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D23B16 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 D23B16 by changing the saturation by 10% instead.



 D23B16

 D23B16

FFFFFF

 B21900

 FF7448

 920000

 FF9061

 730000

 FFAC7A

 550000

 FFC995

 390002

 FFE6B0

 0F0000

 FFFFCC

 000000

 FFFFEE

 D23B16

 D23B16

 D22A01

 D24C2B

 D22900

 D25D40

 D26E55

 D27E6A

 D28F7F

 D2A094

 D2B1A9

 D2C2BE

 D2D3D3

# Harmonies

## Analogous

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



E30059



D23B16



A96100

# Triad

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



D23B16



008C48



0071F6

# Complementary

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



D23B16



16ADD2

# 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.



0085F3



D23B16



008E8E

# Square

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



D23B16



0A8500



008DCC



964FD5

# Rectangle

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



D23B16



857200



008DCC



0079F9



# Sweetspot

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



D23B16



FFC8BA



D216B0



805F57



000000



808080



# Same Dimension

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



D23B16



FF3200



D29616



69605E



A82100



290800

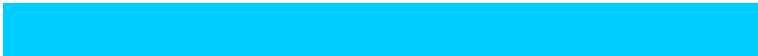


# Inverse Universe

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



16ADD2



00CDFF



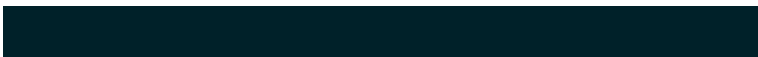
1652D2



5E6669



0087A8



002129



# Previews

## White Background



This preview shows how the Hex color D23B16 looks on a white background.

## Color Contrast Check

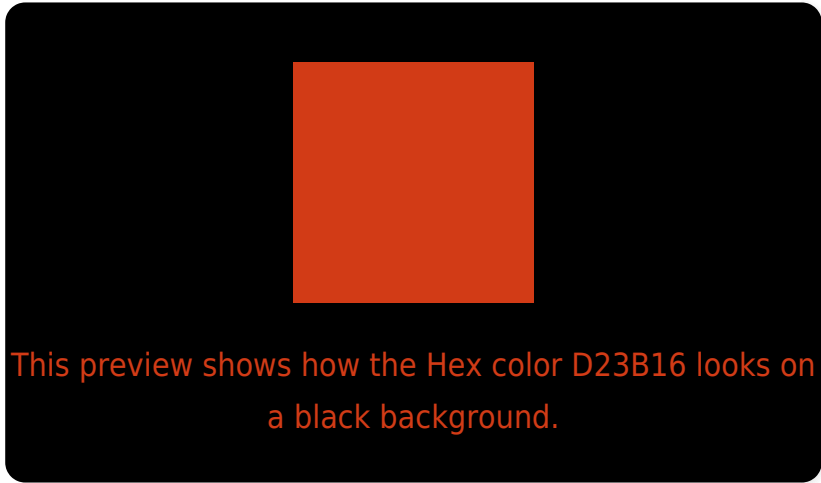
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 D23B16 Background



This preview shows how black text looks on a background with the Hex color D23B16.



This preview shows how white text looks on a background with the Hex color D23B16.

# 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**  
D23B16

**Protanopia**  
817324

**Deuteranopia**  
916D00



**Tritanopia**  
D3383A

# Trichromacy



**Original Color**  
D23B16

**Protanomaly**  
9E5F1F

**Deuteranomaly**  
A95B08

**Tritanomaly**  
D3392D

# Monochromacy



**Original Color**  
D23B16

**Achromatopsia**  
646464

**Achromatomaly**  
8C5548

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D23B16 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 #D23B16 looks like.

```
.text, #text, p{  
    color:#D23B16  
}
```

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 #D23B16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D23B16
}
```

## Border

The CSS property to change the border of an element to Hex D23B16 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".

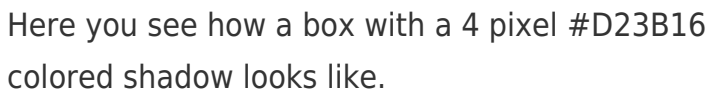
```
.border, #border, table{ border:4px solid
#D23B16 }
```

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

```
.border{ border-color:#D23B16 }
```

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

Here you see how a box with a 4 pixel #D23B16 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D23B16; -webkit-box-shadow:4px 4px  
4px 4px #D23B16; box-shadow:4px 4px 4px  
4px #D23B16 }
```

# Background

The CSS property to change the background color of an element to Hex D23B16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D23B16 }
```

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

```
.background{ background-color:#D23B16 }
```

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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