

# Converting Colors

Hex(BD3D16)

Have a look what the booklet for  
Hex(BD3D16) contains.

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# Color

**Hex(BD3D16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD3D16
RGB	189, 61, 22
RGB Percent	74%, 24%, 9%
CMY	0.2588, 0.7608, 0.9137
CMYK	0.00, 0.68, 0.88, 0.26
HSL	14°, 79%, 41%
HSV	14°, 88%, 74%
XYZ	22.7998, 14.2142, 2.3010
YIQ	94.8260, 88.8070, 15.0070

# Conversions

## Conversions Part 2

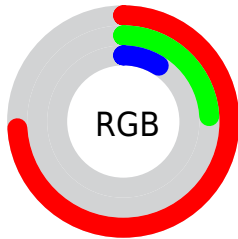
Format	Color
<a href="#">RYB</a>	<a href="#">189, 73, 22</a>
Decimal	<a href="#">12401942</a>
CIELab	<a href="#">44.54, 49.73, 49.08</a>
CIELCh	<a href="#">45, 69.872, 44.625</a>
Yxy	<a href="#">14.2142, 0.5799, 0.3615</a>
Android (android.graphics.Color)	<a href="#">4290592022 (0xFFBD3D16)</a>
YUV	<a href="#">94.8260, -35.9032, 82.5906</a>
Hunter-Lab	<a href="#">37.7018, 41.9683, 22.7727</a>

# Details

The Hex color **BD3D16** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **1696BD**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **FC7347**, and **7F0000** is the 20% darker color. If you saturate the color by 10%, you get **BD2F03**, and if you desaturate by 10%, it is **BD4B29**.

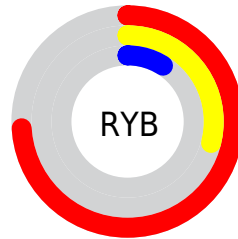
# Distribution



Red (74%)

Green (24%)

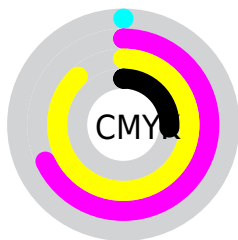
Blue (9%)



Red (74%)

Yellow (29%)

Blue (9%)

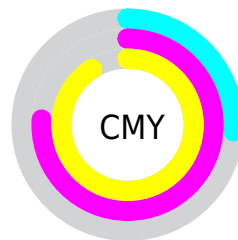


Cyan (0%)

Magenta (68%)

Yellow (88%)

Black (26%)



Cyan (26%)

Magenta (76%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD3D16 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 BD3D16 by changing the saturation by 10% instead.



 BD3D16

 BD3D16

FFFFFF

 9E2000

 FC7347

 7F0000

 FF8E5F

 610000

 FFAA79

 440000

 FFC693

 270001

 FFE3AE

 000000

 FFFFCA

 FFFF66

 BD3D16

 BD3D16

■ BD2F03

■ BD4B29

■ BD2C00

■ BD5A3C

■ BD684F

■ BD7762

■ BD8575

■ BD9487

■ BDA29A

■ BDB1AD

■ BDBFC0

# Harmonies

## Analogous

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



CD1850



BD3D16



985C00

# Triad

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



BD3D16



008048



0067DB

# Complementary

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



BD3D16



1696BD

# 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.



0079DB



BD3D16



008285

# Square

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



BD3D16



0F7B00



0080BB



8D4ABD

# Rectangle

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



BD3D16



786A00



0080BB



006EDF



# Sweetspot

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



BD3D16



F5C2B3



BD1696



7A5C53



FAFAFA



7A7A7A



# Same Dimension

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



BD3D16



F53900



BD9016



5E5755



9E2500



1F0700



# Inverse Universe

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



1696BD



00BCF5



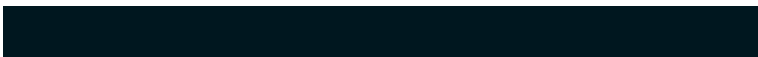
1643BD



555C5E



00799E



00171F



# Previews

## White Background



This preview shows how the Hex color BD3D16 looks on a white background.

## Color Contrast Check

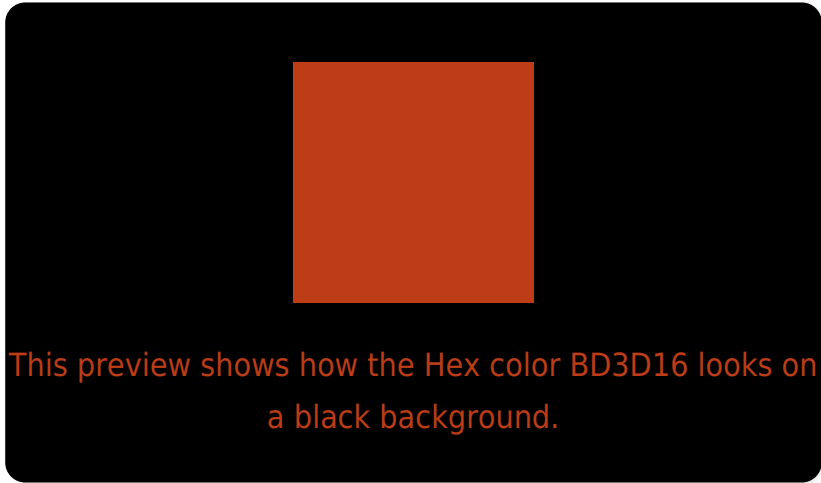
Large Text (above 18pt) WCAG AA ✓ Pass

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 BD3D16 Background



This preview shows how black text looks on a background with the Hex color BD3D16.



This preview shows how white text looks on a background with the Hex color BD3D16.

# 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**  
BD3D16

**Protanopia**  
776A21

**Deuteranopia**  
866500



# Trichromacy



**Original Color**  
BD3D16

**Protanomaly**  
905A1D

**Deuteranomaly**  
9A5608

**Tritanomaly**  
BE3A2E

# Monochromacy



**Original Color**  
BD3D16

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
815344

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD3D16 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 #BD3D16 looks like.

```
.text, #text, p{  
    color:#BD3D16  
}
```

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 #BD3D16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD3D16
}
```

## Border

The CSS property to change the border of an element to Hex BD3D16 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
#BD3D16 }
```

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

```
.border{ border-color:#BD3D16 }
```

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

Here you see how a box with a 4 pixel #BD3D16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD3D16; -webkit-box-shadow:4px 4px  
4px 4px #BD3D16; box-shadow:4px 4px 4px  
4px #BD3D16 }
```

# Background

The CSS property to change the background color of an element to Hex BD3D16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD3D16 }
```

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

```
.background{ background-color:#BD3D16 }
```

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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