

# Converting Colors

Hex(DD3B36)

Have a look what the booklet for  
Hex(DD3B36) contains.

<b>Hex(DD3B36)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(DD3B36)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD3B36
RGB	221, 59, 54
RGB Percent	87%, 23%, 21%
CMY	0.1333, 0.7686, 0.7882
CMYK	0.00, 0.73, 0.76, 0.13
HSL	2°, 71%, 54%
HSV	2°, 76%, 87%
XYZ	32.0486, 18.7664, 5.4232
YIQ	106.8680, 98.1570, 32.7890

# Conversions

## Conversions Part 2

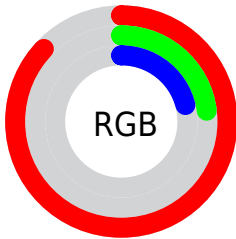
Format	Color
<a href="#">RYB</a>	<a href="#">221, 59, 54</a>
Decimal	<a href="#">14498614</a>
CIELab	<a href="#">50.41, 61.75, 40.92</a>
CIELCh	<a href="#">50, 74.077, 33.531</a>
Yxy	<a href="#">18.7664, 0.5699, 0.3337</a>
Android (android.graphics.Color)	<a href="#">4292688694 (0xFFDD3B36)</a>
YUV	<a href="#">106.8680, -26.0639, 100.0938</a>
Hunter-Lab	<a href="#">43.3202, 56.2452, 22.9018</a>

# Details

The Hex color **DD3B36** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36D8DD**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **FF7566**, and **9E000A** is the 20% darker color. If you saturate the color by 10%, you get **DD2620**, and if you desaturate by 10%, it is **DD504C**.

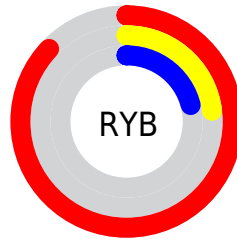
# Distribution



Red (87%)

Green (23%)

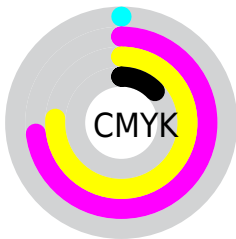
Blue (21%)



Red (87%)

Yellow (23%)

Blue (21%)

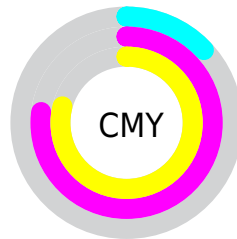


Cyan (0%)

Magenta (73%)

Yellow (76%)

Black (13%)



Cyan (13%)

Magenta (77%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DD3B36 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 DD3B36 by changing the saturation by 10% instead.



 DD3B36

 DD3B36

FFFFFF

 BD1620

 FF7566

 9E000A

 FF927F

 7E0000

 FFAF99

 5F0000

 FFCCB4

 430003

 FFE9D0

 220001

 FFFFEC

 000000

 DD3B36

 DD3B36

 DD2620

 DD504C

 DD100A

 DD6662

 DD0700

 DD7B78

 DD918E

 DDA6A5

 DDBCBB

 DDD1D1

 DDE7E7

 DDFCFD

# Harmonies

## Analogous

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



E42173



DD3B36



BD5E00

# Triad

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



DD3B36



008F3B



007EF8

# Complementary

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



DD3B36



36D8DD

# 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.



008DEA



DD3B36



00937E

# Square

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



DD3B36



488700



0093BD



7C63E2

# Rectangle

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



DD3B36



9D7100



0093BD



0084F7



# Sweetspot

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



DD3B36



FFC6C4



DD36DA



805D5C



000000



808080



# Same Dimension

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



DD3B36



FF1E17



DD8C36



6E6363



AD0500



2E0100



# Inverse Universe

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



36D8DD



17F8FF



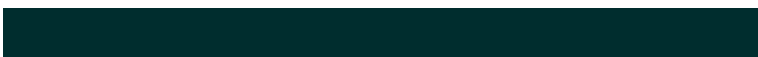
3687DD



636D6E



00A8AD



002D2E



# Previews

## White Background



This preview shows how the Hex color DD3B36 looks on a white background.

## Color Contrast Check

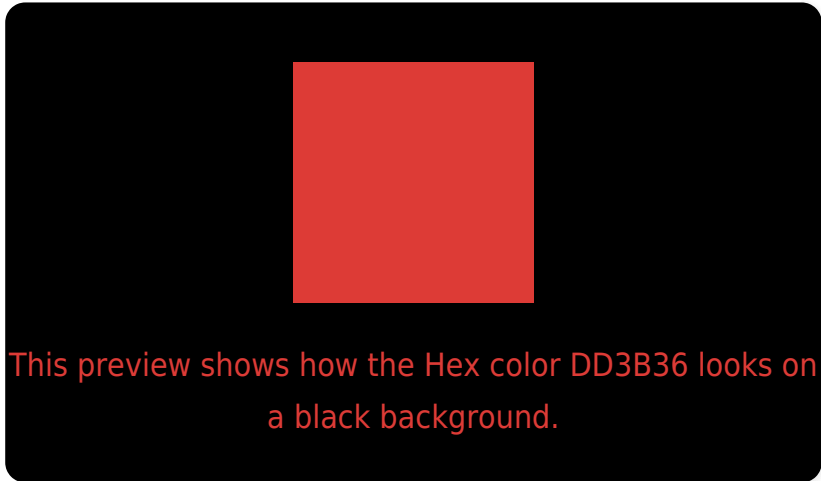
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex DD3B36 Background



This preview shows how black text looks on a background with the Hex color DD3B36.



This preview shows how white text looks on a background with the Hex color DD3B36.

# 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**  
DD3B36

**Protanopia**  
847949

**Deuteranopia**  
97732B



# Trichromacy



**Original Color**  
DD3B36

**Protanomaly**  
A46242

**Deuteranomaly**  
B05F2F

**Tritanomaly**  
DD3A3A

# Monochromacy



**Original Color**  
DD3B36

**Achromatopsia**  
6B6B6B

**Achromatomaly**  
945A58

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DD3B36 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 #DD3B36 looks like.

```
.text, #text, p{  
    color:#DD3B36  
}
```

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 #DD3B36 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DD3B36
}
```

## Border

The CSS property to change the border of an element to Hex DD3B36 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
#DD3B36 }
```

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

```
.border{ border-color:#DD3B36 }
```

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

Here you see how a box with a 4 pixel #DD3B36 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DD3B36; -webkit-box-shadow:4px 4px  
4px 4px #DD3B36; box-shadow:4px 4px 4px  
4px #DD3B36 }
```

# Background

The CSS property to change the background color of an element to Hex DD3B36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DD3B36 }
```

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

```
.background{ background-color:#DD3B36 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor