

# Converting Colors

Hex(DE401B)

Have a look what the booklet for  
Hex(DE401B) contains.

<b>Hex(DE401B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	28

**Color**

**Hex(DE401B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE401B
RGB	222, 64, 27
RGB Percent	87%, 25%, 11%
CMY	0.1294, 0.7490, 0.8941
CMYK	0.00, 0.71, 0.88, 0.13
HSL	11°, 78%, 49%
HSV	11°, 88%, 87%
XYZ	32.1554, 19.2755, 3.0627
YIQ	107.0240, 106.0450, 21.9890

# Conversions

## Conversions Part 2

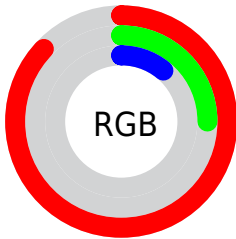
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 73, 27</a>
Decimal	<a href="#">14565403</a>
CIELab	<a href="#">51.01, 59.57, 54.71</a>
CIElCh	<a href="#">51, 80.879, 42.563</a>
Yxy	<a href="#">19.2755, 0.5901, 0.3537</a>
Android (android.graphics.Color)	<a href="#">4292755483 (0xFFDE401B)</a>
YUV	<a href="#">107.0240, -39.4518, 100.8340</a>
Hunter-Lab	<a href="#">43.9039, 53.9025, 26.5967</a>

# Details

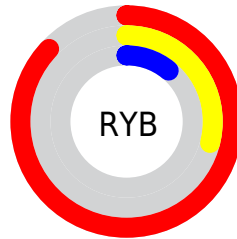
The Hex color **DE401B** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **1BB9DE**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **FF794C**, and **9E0000** is the 20% darker color. If you saturate the color by 10%, you get **DE2E05**, and if you desaturate by 10%, it is **DE5231**.

# Distribution



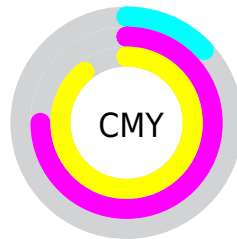
- Red (87%)
- Green (25%)
- Blue (11%)



- Red (87%)
- Yellow (29%)
- Blue (11%)



- Cyan (0%)
- Magenta (71%)
- Yellow (88%)
- Black (13%)



- Cyan (13%)
- Magenta (75%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE401B 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 DE401B by changing the saturation by 10% instead.



 DE401B

 DE401B

FFFFFF

 BE1F00

 FF794C

 9E0000

 FF9566

 7E0000

 FFB280

 5F0000

 FFCF9A

 430003

 FFECB5

 230001

 FFFFD1

 000000

 FFFFEE

 DE401B

 DE401B

DE2E05

DE5231

DE2A00

DE6447

DE765E

DE8874

DE9A8A

DEACA0

DEBEB6

DED0CD

DEE2E3

# Harmonies

## Analogous

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



EF0160



DE401B



B46700

# Triad

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



DE401B



00944D



0079FF

# Complementary

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



DE401B



1BB9DE

# 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.



008DFF



DE401B



009696

# Square

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



DE401B



168D00



0095D6



9D56E1

# Rectangle

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



DE401B



8F7900



0095D6



0081FF



# Sweetspot

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



DE401B



FFC9BD



DE1BBA



805F58



000000



808080



# Same Dimension

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



DE401B



FF3000



DEA01B



706765



B02100



300900



# Inverse Universe

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



1BB9DE



00CFFF



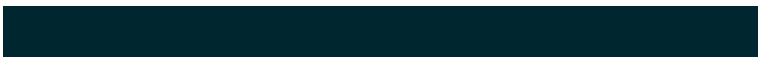
1B59DE



656E70



008FB0



002730



# Previews

## White Background



This preview shows how the Hex color DE401B looks on a white background.

## Color Contrast Check

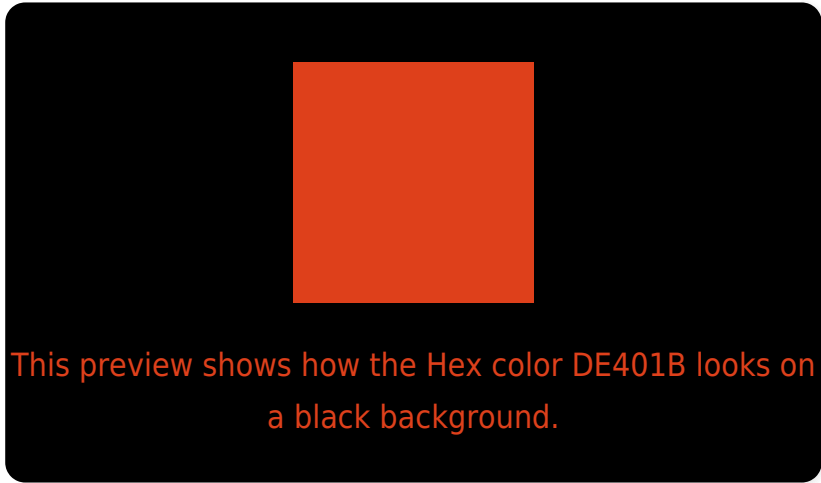
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE401B Background



This preview shows how black text looks on a background with the Hex color DE401B.



This preview shows how white text looks on a background with the Hex color DE401B.

# 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**  
DE401B

**Protanopia**  
897A29

**Tritanopia**  
DF3C3F

# Trichromacy



**Original Color**  
DE401B

**Protanomaly**  
A86524

**Tritanomaly**  
DF3D32

# Monochromacy



**Original Color**  
DE401B

**Achromatopsia**  
6B6B6B

**Achromatomaly**  
955B4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE401B 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 #DE401B looks like.

```
.text, #text, p{  
    color:#DE401B  
}
```

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 #DE401B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE401B
}
```

## Border

The CSS property to change the border of an element to Hex DE401B 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
#DE401B }
```

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

```
.border{ border-color:#DE401B }
```

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

Here you see how a box with a 4 pixel #DE401B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE401B; -webkit-box-shadow:4px 4px  
4px 4px #DE401B; box-shadow:4px 4px 4px  
4px #DE401B }
```

# Background

The CSS property to change the background color of an element to Hex DE401B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE401B }
```

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

```
.background{ background-color:#DE401B }
```

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