

# Converting Colors

Hex(DE2B01)

Have a look what the booklet for  
Hex(DE2B01) contains.

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**Color**

**Hex(DE2B01)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE2B01
RGB	222, 43, 1
RGB Percent	87%, 17%, 0%
CMY	0.1294, 0.8314, 0.9961
CMYK	0.00, 0.81, 1.00, 0.13
HSL	11°, 99%, 44%
HSV	11°, 100%, 87%
XYZ	30.9936, 17.2595, 1.7266
YIQ	91.7330, 120.1660, 24.8860

# Conversions

## Conversions Part 2

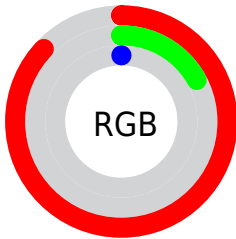
Format	Color
<a href="#">RYB</a>	<a href="#">222, 53, 1</a>
Decimal	<a href="#">14560001</a>
CIELab	<a href="#">48.59, 65.76, 61.11</a>
CIElCh	<a href="#">49, 89.773, 42.898</a>
Yxy	<a href="#">17.2595, 0.6201, 0.3453</a>
Android (android.graphics.Color)	<a href="#">4292750081</a> ( <a href="#">0xFFDE2B01</a> )
YUV	<a href="#">91.7330, -44.7314, 114.2442</a>
Hunter-Lab	<a href="#">41.5446, 60.4635, 26.6171</a>

# Details

The Hex color **DE2B01** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **01B4DE**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **FF6A3A**, and **9D0000** is the 20% darker color. If you saturate the color by 10%, you get **DE2A00**, and if you desaturate by 10%, it is **DE3D17**.

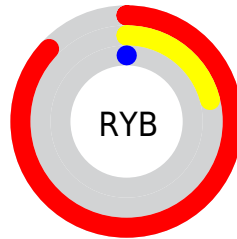
# Distribution



Red (87%)

Green (17%)

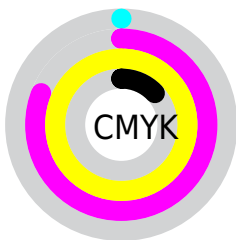
Blue (0%)



Red (87%)

Yellow (21%)

Blue (0%)

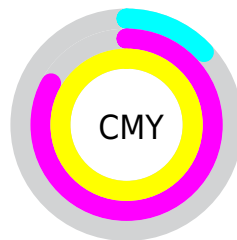


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (83%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE2B01 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 DE2B01 by changing the saturation by 10% instead.



 DE2B01

 DE2B01

 FFFFF7

 BD0000

 FF6A3A

 9D0000

 FF8753

 7D0000

 FFA46D

 5D0001

 FFC187

 410003

 FFDEA2

 1E0001

 FFFCBE

 000000

 FFFFDA

 DE2B01

 DE2B01

 DE2A00

 DE3D17

 DE4F2D

 DE6144

 DE735A

 DE8570

 DE9786

 DEA99C

 DEBBB3

 DECDC9

# Harmonies

## Analogous

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



F20057



DE2B01



B05F00

# Triad

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



DE2B01



008F43



0073FF

# Complementary

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



DE2B01



01B4DE

# 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.



0089FF



DE2B01



009294

# Square

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



DE2B01



008900



0091DB



9A49E5

# Rectangle

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



DE2B01



877300



0091DB



007CFF



# Sweetspot

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



DE2B01



FFC1B3



DE01B5



805A52



000000



808080



# Same Dimension

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



DE2B01



FF3000



DE9801



706765



B02100



300900



# Inverse Universe

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



01B4DE



00CFFF



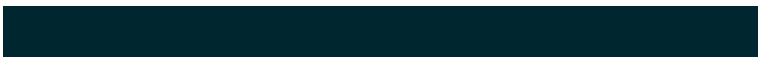
0147DE



656E70



008FB0



002730



# Previews

## White Background



This preview shows how the Hex color DE2B01 looks on a white background.

## Color Contrast Check

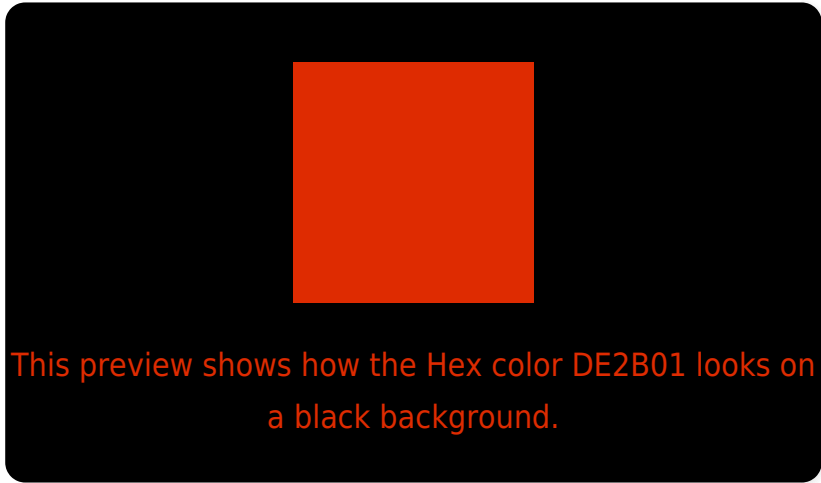
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE2B01 Background



This preview shows how black text looks on a background with the Hex color DE2B01.



This preview shows how white text looks on a background with the Hex color DE2B01.

# 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



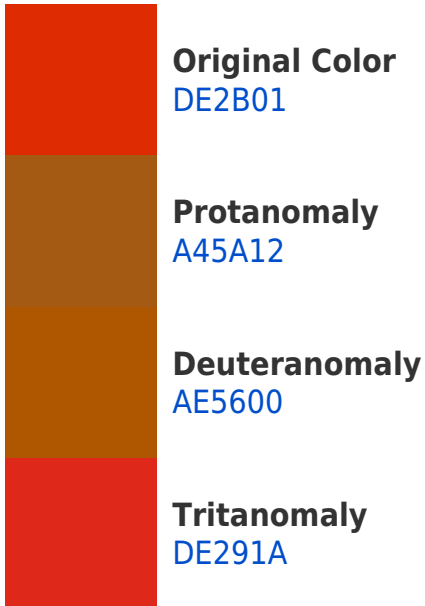
**Original Color**  
DE2B01

**Protanopia**  
83751B

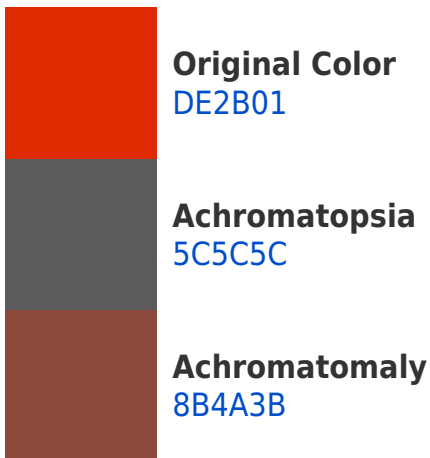
**Deuteranopia**  
936E00



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE2B01 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 #DE2B01 looks like.

```
.text, #text, p{  
    color:#DE2B01  
}
```

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 #DE2B01 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE2B01
}
```

## Border

The CSS property to change the border of an element to Hex DE2B01 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
#DE2B01 }
```

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

```
.border{ border-color:#DE2B01 }
```

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

Here you see how a box with a 4 pixel #DE2B01 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE2B01; -webkit-box-shadow:4px 4px  
4px 4px #DE2B01; box-shadow:4px 4px 4px  
4px #DE2B01 }
```

# Background

The CSS property to change the background color of an element to Hex DE2B01 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE2B01 }
```

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

```
.background{ background-color:#DE2B01 }
```

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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