

# Converting Colors

Hex(D02531)

Have a look what the booklet for  
Hex(D02531) contains.

<b>Hex(D02531)</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(D02531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D02531
RGB	208, 37, 49
RGB Percent	82%, 15%, 19%
CMY	0.1843, 0.8549, 0.8078
CMYK	0.00, 0.82, 0.76, 0.18
HSL	356°, 70%, 48%
HSV	356°, 82%, 82%
XYZ	27.2284, 14.9548, 4.3572
YIQ	89.4970, 98.0640, 39.9840

# Conversions

## Conversions Part 2

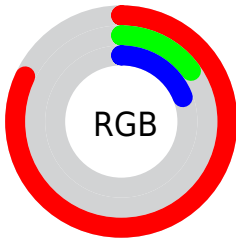
Format	Color
R <sub>Y</sub> B	208, 37, 49
Decimal	13641009
CIE Lab	45.57, 64.21, 37.75
CIE LCh	46, 74.485, 30.452
Yxy	14.9548, 0.5850, 0.3213
Android (android.graphics.Color)	4291831089 (0xFFD02531)
YUV	89.4970, -19.9650, 103.9271
Hunter-Lab	38.6714, 58.0061, 20.3897

# Details

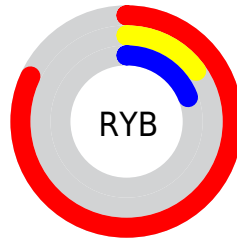
The Hex color **D02531** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **25D0C4**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF6460**, and **910005** is the 20% darker color. If you saturate the color by 10%, you get **D0101E**, and if you desaturate by 10%, it is **D03A44**.

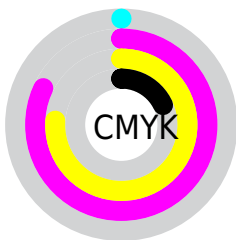
# Distribution



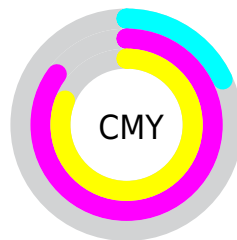
- Red (82%)
- Green (15%)
- Blue (19%)



- Red (82%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (82%)
- Yellow (76%)
- Black (18%)



- Cyan (18%)
- Magenta (85%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D02531 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 D02531 by changing the saturation by 10% instead.



 D02531

 D02531

FFFFFF

 B0001C

 FF6460

 910005

 FF8179

 720000

 FF9E92

 530001

 FFBBAD

 360002

 FFD8C9

 050000

 FFF6E5

 000000

 D02531

 D02531

 D0101E

 D03A44

 D0000F

 D04F58

 D0636B

 D0787E

 D08D92

 D0A2A5

 D0B7B8

 D0CBCC

 D0E0DF

# Harmonies

## Analogous

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



D4006E



D02531



B24F00

# Triad

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



D02531



008228



0074EA

# Complementary

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



D02531



25D0C4

# 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.



0081D9



D02531



00856B

# Square

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



D02531



437A00



0086AA



625AD9

# Rectangle

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



D02531



946200



0086AA



007AE8



# Sweetspot

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



D02531



FFBFC4



C225D0



80595C



000000



808080



# Same Dimension

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



D02531



FF0314



D06C25



695E5F



A8000C



290003



# Inverse Universe

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



D02531



FF0314



2589D0



695E5F



A8000C



290003



# Previews

## White Background



This preview shows how the Hex color D02531 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 D02531 Background



This preview shows how black text looks on a background with the Hex color D02531.



This preview shows how white text looks on a background with the Hex color D02531.

# 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



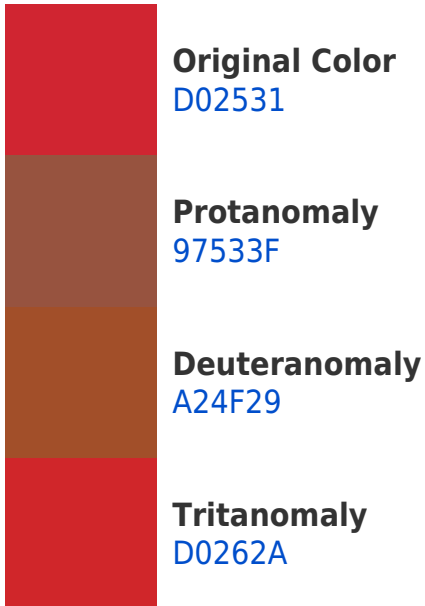
**Original Color**  
D02531

**Protanopia**  
766D47

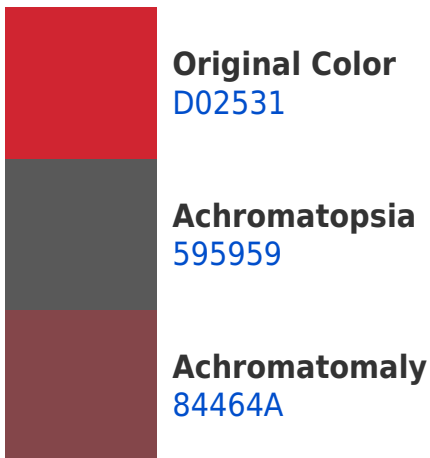
**Deuteranopia**  
886725



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D02531 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 #D02531 looks like.

```
.text, #text, p{  
    color:#D02531  
}
```

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 #D02531 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D02531
}
```

## Border

The CSS property to change the border of an element to Hex D02531 is called "border". The border property can be set on classes, ids or directly on the HTML element.

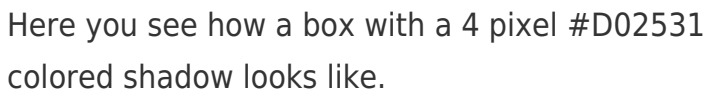
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#D02531 }
```

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

```
.border{ border-color:#D02531 }
```

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



Here you see how a box with a 4 pixel #D02531 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D02531; -webkit-box-shadow:4px 4px  
4px 4px #D02531; box-shadow:4px 4px 4px  
4px #D02531 }
```

# Background

The CSS property to change the background color of an element to Hex D02531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D02531 }
```

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

```
.background{ background-color:#D02531 }
```

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**