

# Converting Colors

Hex(D33519)

Have a look what the booklet for  
Hex(D33519) contains.

<b>Hex(D33519)</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(D33519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D33519
RGB	211, 53, 25
RGB Percent	83%, 21%, 10%
CMY	0.1725, 0.7922, 0.9020
CMYK	0.00, 0.75, 0.88, 0.17
HSL	9°, 79%, 46%
HSV	9°, 88%, 83%
XYZ	28.3125, 16.4653, 2.6056
YIQ	97.0500, 103.1560, 24.7880

# Conversions

## Conversions Part 2

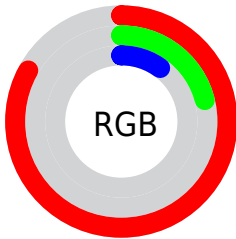
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 58, 25
Decimal	13841689
CIE Lab	47.58, 59.88, 51.99
CIE LCh	48, 79.296, 40.964
Yxy	16.4653, 0.5975, 0.3475
Android (android.graphics.Color)	4292031769 (0xFFD33519)
YUV	97.0500, -35.5206, 99.9342
Hunter-Lab	40.5774, 53.5363, 24.5970

# Details

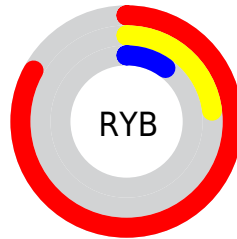
The Hex color **D33519** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **19B7D3**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **FF6F4A**, and **930000** is the 20% darker color. If you saturate the color by 10%, you get **D32304**, and if you desaturate by 10%, it is **D3472E**.

# Distribution



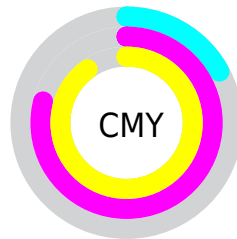
- Red (83%)
- Green (21%)
- Blue (10%)



- Red (83%)
- Yellow (23%)
- Blue (10%)



- Cyan (0%)
- Magenta (75%)
- Yellow (88%)
- Black (17%)



- Cyan (17%)
- Magenta (79%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D33519 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 D33519 by changing the saturation by 10% instead.



 D33519

 D33519

FFFFFF

 B30D00

 FF6F4A

 930000

 FF8B62

 740000

 FFA87C

 550000

 FFC596

 390002

 FFE2B2

 100000

 FFFFCD

 000000

 FFFFEA

 D33519

 D33519

 D32304

 D3472E

 D32000

 D35943

 D36B58

 D37D6D

 D38F83

 D3A198

 D3B2AD

 D3C4C2

 D3D6D7

# Harmonies

## Analogous

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



E2005C



D33519



AB5D00

# Triad

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



D33519



008A42



0072F6

# Complementary

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



D33519



19B7D3

# 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.



0084F1



D33519



008C89

# Square

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



D33519



178400



008CC8



8E50D7

# Rectangle

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



D33519



886F00



008CC8



007AF9



# Sweetspot

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



D33519



FFC7BD



D319B7



805E58



000000



808080



# Same Dimension

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



D33519



FF2600



D39219



69605E



A81900



290600



# Inverse Universe

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



19B7D3



00D9FF



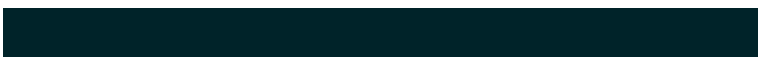
195AD3



5E6769



008FA8



002329



# Previews

## White Background



This preview shows how the Hex color D33519 looks on a white background.

## Color Contrast Check

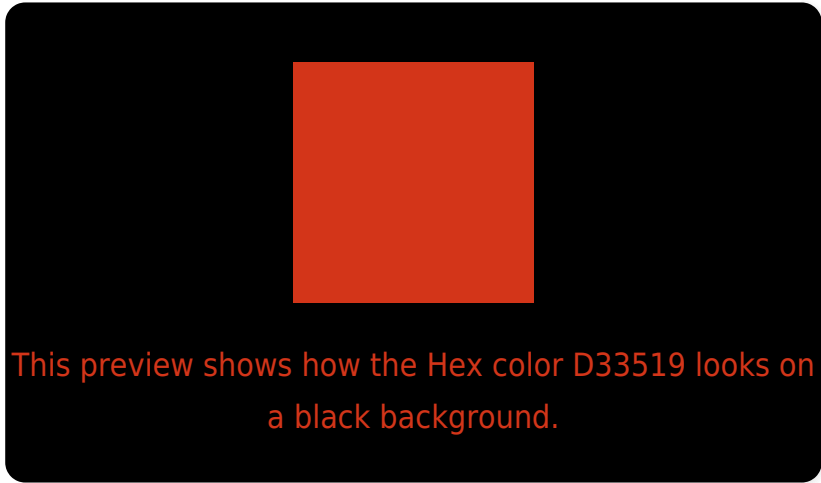
Large Text (above 18pt) WCAG AA ✓ Pass

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 D33519 Background



This preview shows how black text looks on a background with the Hex color D33519.



This preview shows how white text looks on a background with the Hex color D33519.

# 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**  
D33519

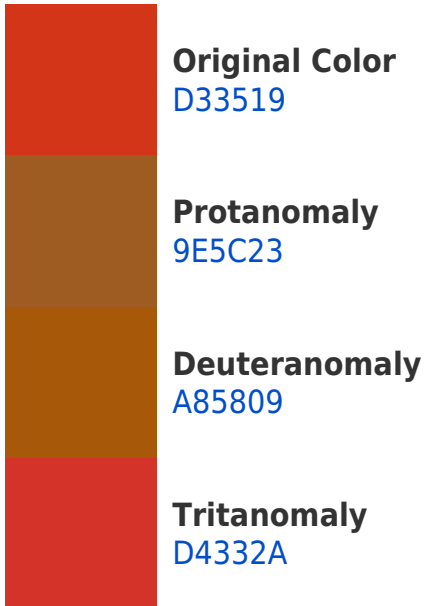
**Protanopia**  
7F7228

**Deuteranopia**  
906C00

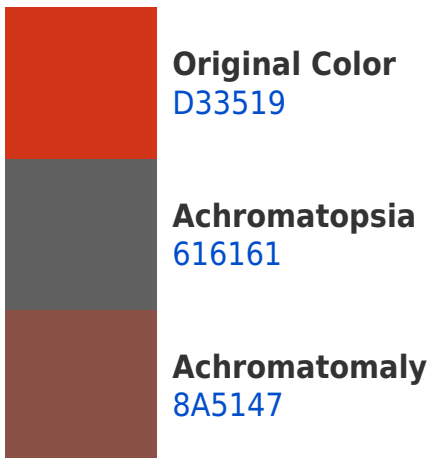


**Tritanopia**  
D43233

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D33519 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 #D33519 looks like.

```
.text, #text, p{  
    color:#D33519  
}
```

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 #D33519 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D33519
}
```

## Border

The CSS property to change the border of an element to Hex D33519 is called "border". The border property can be set on classes, ids or directly on the HTML element.

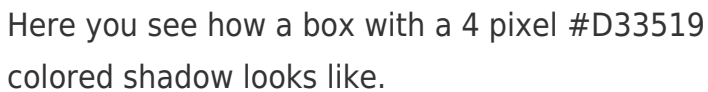
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#D33519 }
```

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

```
.border{ border-color:#D33519 }
```

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



Here you see how a box with a 4 pixel #D33519 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D33519; -webkit-box-shadow:4px 4px  
4px 4px #D33519; box-shadow:4px 4px 4px  
4px #D33519 }
```

# Background

The CSS property to change the background color of an element to Hex D33519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D33519 }
```

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

```
.background{ background-color:#D33519 }
```

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