

# Converting Colors

Hex(D53300)

Have a look what the booklet for  
Hex(D53300) contains.

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**Color**

**Hex(D53300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D53300
RGB	213, 51, 0
RGB Percent	84%, 20%, 0%
CMY	0.1647, 0.8000, 1.0000
CMYK	0.00, 0.76, 1.00, 0.16
HSL	14°, 100%, 42%
HSV	14°, 100%, 84%
XYZ	28.6244, 16.5138, 1.6788
YIQ	93.6240, 112.9230, 18.4830

# Conversions

## Conversions Part 2

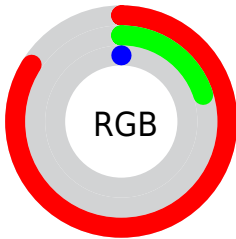
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 67, 0
Decimal	13972224
CIE <sub>Lab</sub>	47.64, 60.83, 59.95
CIE <sub>LCh</sub>	48, 85.406, 44.581
Yxy	16.5138, 0.6114, 0.3527
Android (android.graphics.Color)	4292162304 (0xFFD53300)
YUV	93.6240, -46.1566, 104.6928
Hunter-Lab	40.6372, 54.6185, 25.9966

# Details

The Hex color **D53300** 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 **00A2D5**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **FF6E39**, and **940000** is the 20% darker color. If you saturate the color by 10%, you get **D53300**, and if you desaturate by 10%, it is **D54315**.

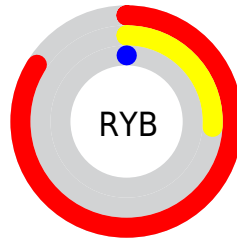
# Distribution



Red (84%)

Green (20%)

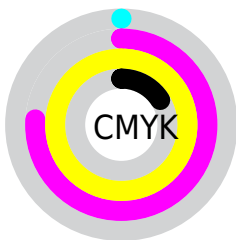
Blue (0%)



Red (84%)

Yellow (26%)

Blue (0%)

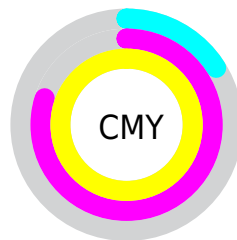


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (80%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D53300 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 D53300 by changing the saturation by 10% instead.



 D53300

 D53300

 FFFFFFF6

 B50700

 FF6E39

 940000

 FF8A53

 750000

 FFA76C

 560000

 FFC387

 3A0002

 FFE1A2

 120000

 FFFEBD

 000000

 FFFFD9

 D53300

 D54315

 D5532B

 D56440

 D57455

 D5846B

 D59480

 D5A495

 D5B5AA

 D5C5C0

# Harmonies

## Analogous

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



EA0052



D53300



A86000

# Triad

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



D53300



008C48



006FFF

# Complementary

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



D53300



00A2D5

# 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.



0084FE



D53300



008E94

# Square

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



D53300



008600



008DD6



9B47D9

# Rectangle

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



D53300



817200



008DD6



0078FF



# Sweetspot

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



D53300



FFC5B3



D500A3



805D52



000000



808080



# Same Dimension

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



D53300



FF3D00



D59C00



6B6360



AB2900



2B0A00

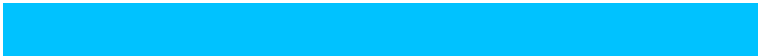


# Inverse Universe

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



00A2D5



00C2FF



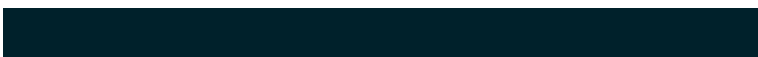
0039D5



60696B



0082AB



00212B



# Previews

## White Background



This preview shows how the Hex color D53300 looks on a white background.

## Color Contrast Check

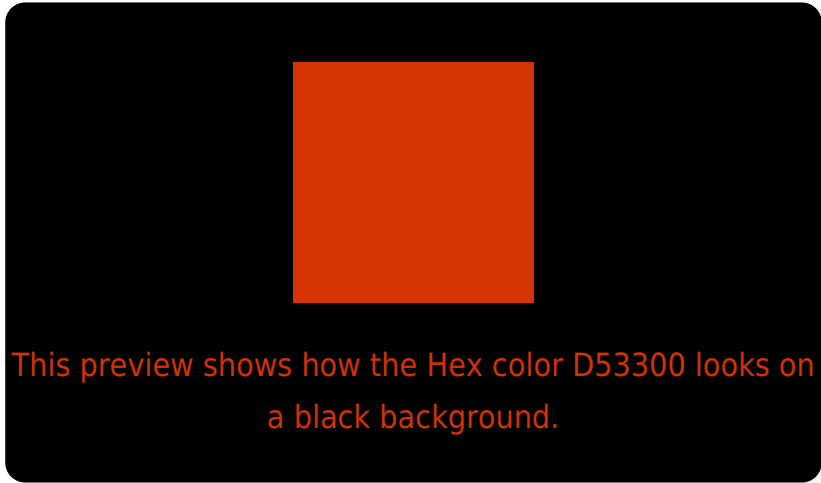
Large Text (above 18pt) WCAG AA ✓ Pass

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 D53300 Background



This preview shows how black text looks on a background with the Hex color D53300.



This preview shows how white text looks on a background with the Hex color D53300.

# 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**  
D53300

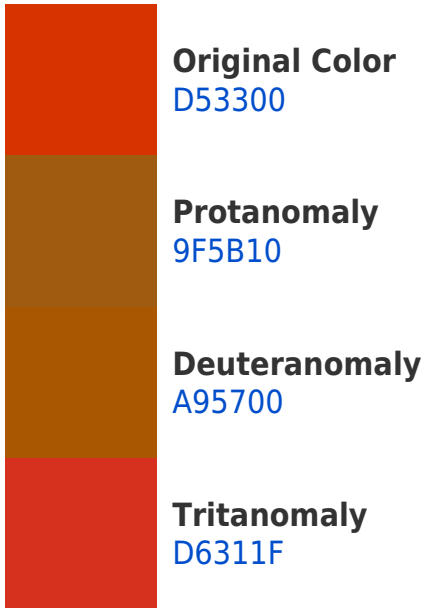
**Protanopia**  
807219

**Deuteranopia**  
906C00



**Tritanopia**  
D63031

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D53300 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 #D53300 looks like.

```
.text, #text, p{  
    color:#D53300  
}
```

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 #D53300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D53300
}
```

## Border

The CSS property to change the border of an element to Hex D53300 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".

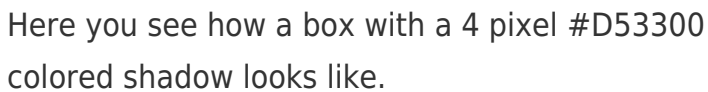
```
.border, #border, table{ border:4px solid
#D53300 }
```

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

```
.border{ border-color:#D53300 }
```

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

Here you see how a box with a 4 pixel #D53300 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D53300; -webkit-box-shadow:4px 4px  
4px 4px #D53300; box-shadow:4px 4px 4px  
4px #D53300 }
```

# Background

The CSS property to change the background color of an element to Hex D53300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D53300 }
```

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

```
.background{ background-color:#D53300 }
```

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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