

# Converting Colors

Hex(D93A00)

Have a look what the booklet for  
Hex(D93A00) contains.

<b>Hex(D93A00)</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(D93A00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D93A00
RGB	217, 58, 0
RGB Percent	85%, 23%, 0%
CMY	0.1490, 0.7725, 1.0000
CMYK	0.00, 0.73, 1.00, 0.15
HSL	16°, 100%, 43%
HSV	16°, 100%, 85%
XYZ	30.1283, 17.7778, 1.8435
YIQ	98.9290, 113.3820, 15.6700

# Conversions

## Conversions Part 2

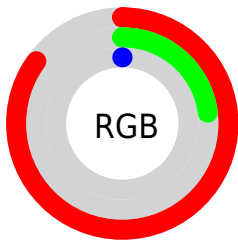
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 79, 0
Decimal	14236160
CIE Lab	49.23, 59.77, 61.10
CIE LCh	49, 85.476, 45.630
Yxy	17.7778, 0.6056, 0.3573
Android (android.graphics.Color)	4292426240 (0xFFD93A00)
YUV	98.9290, -48.7720, 103.5483
Hunter-Lab	42.1638, 53.7615, 26.9223

# Details

The Hex color **D93A00** 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 **009FD9**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **FF743B**, and **980000** is the 20% darker color. If you saturate the color by 10%, you get **D93A00**, and if you desaturate by 10%, it is **D94A16**.

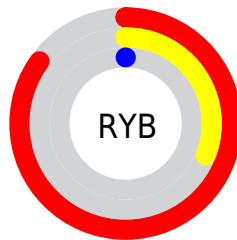
# Distribution



Red (85%)

Green (23%)

Blue (0%)



Red (85%)

Yellow (31%)

Blue (0%)

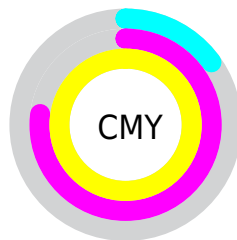


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (77%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D93A00 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 D93A00 by changing the saturation by 10% instead.



 D93A00

 D93A00

 FFFFF8

 B91600

 FF743B

 980000

 FF9054

 790000

 FFAC6E

 5A0000

 FFC988

 3E0003

 FFE6A3

 1A0001

 FFFFBF

 000000

 FFFFDB

 D93A00

 D94A16

 D95A2B

 D96A41

 D97A57

 D98A6D

 D99982

 D9A998

 D9B9AE

 D9C9C3

# Harmonies

## Analogous

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



EF0053



D93A00



AB6500

# Triad

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



D93A00



00904E



0072FF

# Complementary

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



D93A00



009FD9

# 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.



0088FF



D93A00



00939A

# Square

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



D93A00



008A00



0091DD



A349DC

# Rectangle

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



D93A00



837700



0091DD



007BFF



# Sweetspot

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



D93A00



FFC7B3



D9009F



805E52



000000



808080



# Same Dimension

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



D93A00



FF4400



D9A600



6E6663



AD2E00



2E0C00

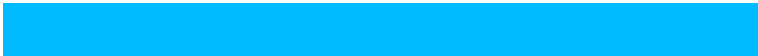


# Inverse Universe

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



009FD9



00BBFF



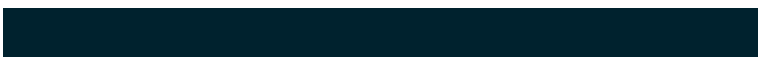
0033D9



636B6E



007FAD



00222E



# Previews

## White Background



This preview shows how the Hex color D93A00 looks on a white background.

## Color Contrast Check

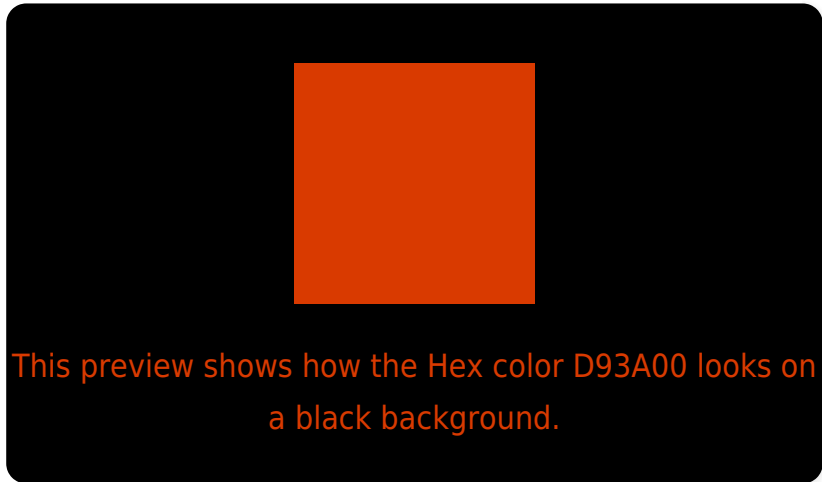
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 D93A00 Background



This preview shows how black text looks on a background with the Hex color D93A00.



This preview shows how white text looks on a background with the Hex color D93A00.

# 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



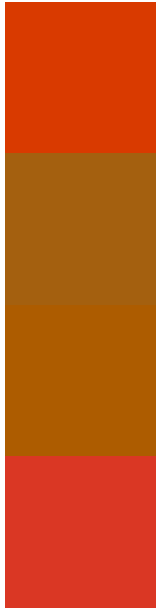
**Original Color**  
D93A00

**Protanopia**  
857618

**Deuteranopia**  
947000



# Trichromacy



**Original Color**  
D93A00

**Protanomaly**  
A4600F

**Deuteranomaly**  
AD5C00

**Tritanomaly**  
DA3724

# Monochromacy



**Original Color**  
D93A00

**Achromatopsia**  
636363

**Achromatomaly**  
8E543F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D93A00 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 #D93A00 looks like.

```
.text, #text, p{  
    color:#D93A00  
}
```

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 #D93A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D93A00
}
```

## Border

The CSS property to change the border of an element to Hex D93A00 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
#D93A00 }
```

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

```
.border{ border-color:#D93A00 }
```

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

Here you see how a box with a 4 pixel #D93A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D93A00; -webkit-box-shadow:4px 4px  
4px 4px #D93A00; box-shadow:4px 4px 4px  
4px #D93A00 }
```

# Background

The CSS property to change the background color of an element to Hex D93A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D93A00 }
```

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

```
.background{ background-color:#D93A00 }
```

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**