

# Converting Colors

Hex(DB412E)

Have a look what the booklet for  
Hex(DB412E) contains.

<b>Hex(DB412E)</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(DB412E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB412E
RGB	219, 65, 46
RGB Percent	86%, 25%, 18%
CMY	0.1412, 0.7451, 0.8196
CMYK	0.00, 0.70, 0.79, 0.14
HSL	7°, 71%, 52%
HSV	7°, 79%, 86%
XYZ	31.5969, 19.0379, 4.5941
YIQ	108.8800, 97.8830, 26.7390

# Conversions

## Conversions Part 2

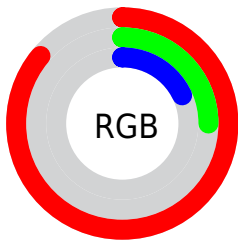
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 67, 46
Decimal	14369070
CIE Lab	50.73, 58.73, 45.43
CIE LCh	51, 74.251, 37.721
Yxy	19.0379, 0.5721, 0.3447
Android (android.graphics.Color)	4292559150 (0xFFDB412E)
YUV	108.8800, -30.9998, 96.5752
Hunter-Lab	43.6325, 52.9056, 24.3000

# Details

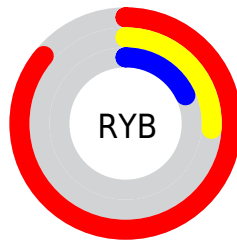
The Hex color **DB412E** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **2EC8DB**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **FF7A5E**, and **9C0000** is the 20% darker color. If you saturate the color by 10%, you get **DB2E18**, and if you desaturate by 10%, it is **DB5444**.

# Distribution



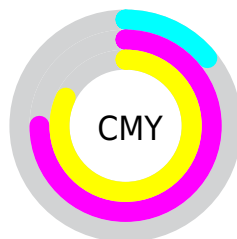
- Red (86%)
- Green (25%)
- Blue (18%)



- Red (86%)
- Yellow (26%)
- Blue (18%)



- Cyan (0%)
- Magenta (70%)
- Yellow (79%)
- Black (14%)



- Cyan (14%)
- Magenta (75%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DB412E 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 DB412E by changing the saturation by 10% instead.



 DB412E

 DB412E

FFFFFF

 BB2017

 FF7A5E

 9C0000

 FF9677

 7C0000

 FFB291

 5E0000

 FFCFAC

 420003

 FFEDC7

 210001

 FFFFE4

 000000

 DB412E

 DB412E

 DB2E18

 DB5444

 DB1A02

 DB685A

 DB1800

 DB7B70

 DB8F86

 DBA29C

 DBB6B1

 DBC9C7

 DBDDDD

 DBF0F3

# Harmonies

## Analogous

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



E6236B



DB412E



B86300

# Triad

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



DB412E



009145



007CF8

# Complementary

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



DB412E



2EC8DB

# 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.



008CEF



DB412E



009488

# Square

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



DB412E



3C8A00



0093C5



8C5FDE

# Rectangle

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



DB412E



977500



0093C5



0083F9



# Sweetspot

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



DB412E



FFC9C2



DB2ECA



805F5B



000000



808080



# Same Dimension

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



DB412E



FF270D



DB962E



6E6463



AD1300



2E0500

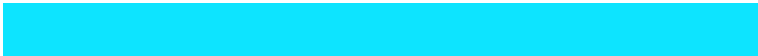


# Inverse Universe

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



2EC8DB



0DE4FF



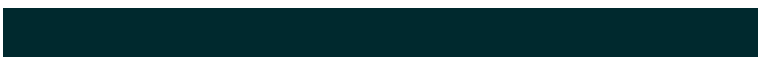
2E73DB



636C6E



009AAD



00292E



# Previews

## White Background



This preview shows how the Hex color DB412E looks on a white background.

## Color Contrast Check

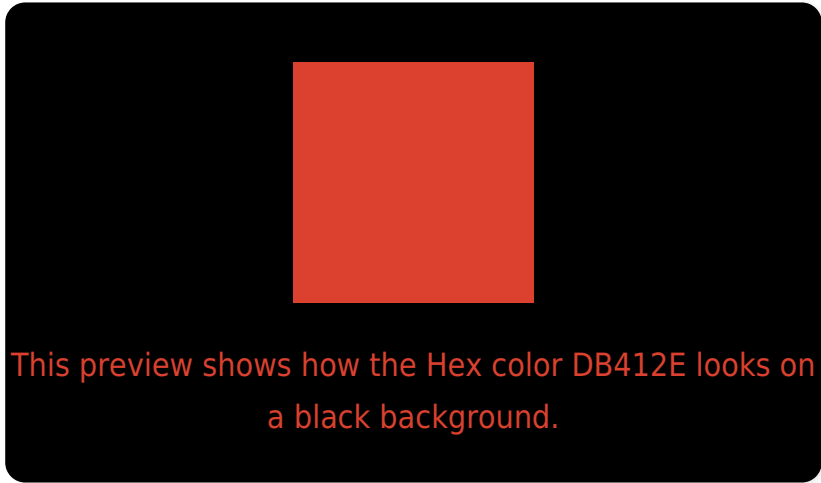
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

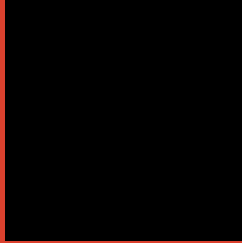
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex DB412E Background



This preview shows how black text looks on a background with the Hex color DB412E.



This preview shows how white text looks on a background with the Hex color DB412E.

# 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**  
DB412E

**Protanopia**  
86793E

**Deuteranopia**  
987321



**Tritanopia**  
DC3F41

# Trichromacy



**Original Color**  
DB412E

**Protanomaly**  
A56538

**Deuteranomaly**  
B06126

**Tritanomaly**  
DC403A

# Monochromacy



**Original Color**  
DB412E

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
955D56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DB412E 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 #DB412E looks like.

```
.text, #text, p{  
    color:#DB412E  
}
```

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 #DB412E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DB412E
}
```

## Border

The CSS property to change the border of an element to Hex DB412E 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".

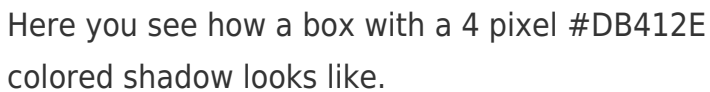
```
.border, #border, table{ border:4px solid
#DB412E }
```

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

```
.border{ border-color:#DB412E }
```

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

Here you see how a box with a 4 pixel #DB412E colored shadow looks like.

A rectangular box with a thick red border and a red shadow. The shadow is cast to the right and bottom of the box, matching the border color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DB412E; -webkit-box-shadow:4px 4px  
4px 4px #DB412E; box-shadow:4px 4px 4px  
4px #DB412E }
```

# Background

The CSS property to change the background color of an element to Hex DB412E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DB412E }
```

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

```
.background{ background-color:#DB412E }
```

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