

# Converting Colors

Hex(DE433F)

Have a look what the booklet for  
Hex(DE433F) contains.

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# Color

**Hex(DE433F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE433F
RGB	222, 67, 63
RGB Percent	87%, 26%, 25%
CMY	0.1294, 0.7373, 0.7529
CMYK	0.00, 0.70, 0.72, 0.13
HSL	2°, 71%, 56%
HSV	2°, 72%, 87%
XYZ	33.0286, 19.9028, 6.8034
YIQ	112.8890, 93.6640, 31.6160

# Conversions

## Conversions Part 2

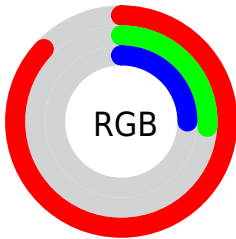
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 67, 63
Decimal	14566207
CIE <sub>Lab</sub>	51.73, 59.60, 37.41
CIE <sub>LCh</sub>	52, 70.363, 32.116
Yxy	19.9028, 0.5529, 0.3332
Android (android.graphics.Color)	4292756287 (0xFFDE433F)
YUV	112.8890, -24.5953, 95.6903
Hunter-Lab	44.6125, 54.0792, 22.1870

# Details

The Hex color **DE433F** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **3FDADE**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **FF7C6F**, and **9F0013** is the 20% darker color. If you saturate the color by 10%, you get **DE2D29**, and if you desaturate by 10%, it is **DE5955**.

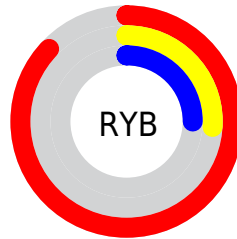
# Distribution



Red (87%)

Green (26%)

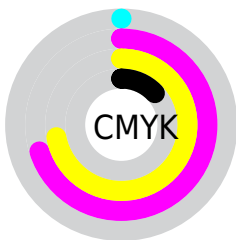
Blue (25%)



Red (87%)

Yellow (26%)

Blue (25%)

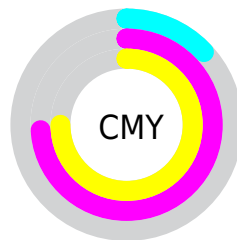


Cyan (0%)

Magenta (70%)

Yellow (72%)

Black (13%)



Cyan (13%)

Magenta (74%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE433F 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 DE433F by changing the saturation by 10% instead.



 DE433F

 DE433F

FFFFFF

 BE2229

 FF7C6F

 9F0013

 FF9889

 800000

 FFB5A3

 610000

 FFD2BE

 450002

 FFEFDA

 250001

 FFFFF7

 000000

 DE433F

 DE433F

 DE2D29

 DE5955

 DE1813

 DE6E6B

 DE0600

 DE8482

 DE9A98

 DEAFAE

 DEC5C4

 DEDADA

 DEF0F1

 DEFFFF

# Harmonies

## Analogous

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



E2327A



DE433F



C06200

# Triad

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



DE433F



00923F



0082F5

# Complementary

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



DE433F



3FDADE

# 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.



0090E6



DE433F



00957E

# Square

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



DE433F



548A00



0095BA



7C69E2

# Rectangle

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



DE433F



A27300



0095BA



0088F4



# Sweetspot

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



DE433F



FFCBC9



DE3FDB



806060



000000



808080



# Same Dimension

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



DE433F



FF2924



DE913F



706565



B00400



300100



# Inverse Universe

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



3FDADE



24F9FF



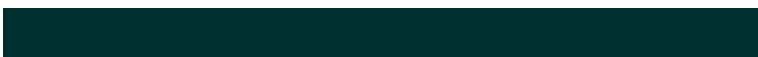
3F8CDE



657070



00ACB0



002F30



# Previews

## White Background



This preview shows how the Hex color DE433F looks on a white background.

## Color Contrast Check

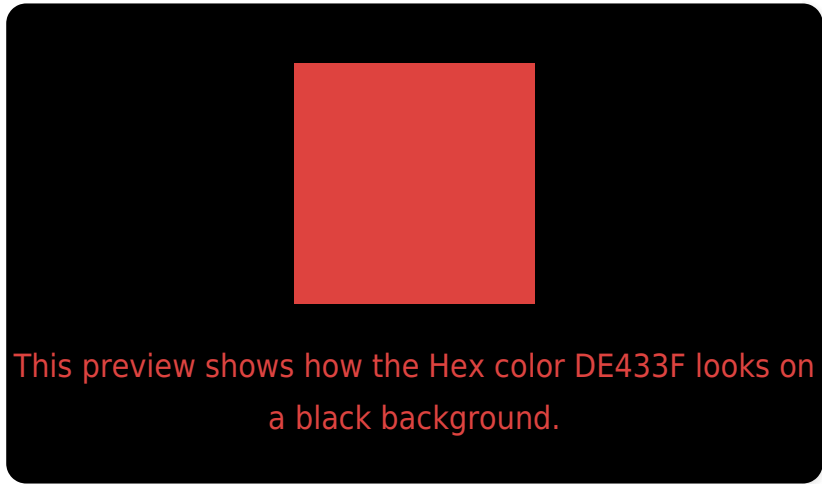
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE433F Background



This preview shows how black text looks on a background with the Hex color DE433F.



This preview shows how white text looks on a background with the Hex color DE433F.

# 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**  
DE433F

**Protanopia**  
867C53

**Deuteranopia**  
9A7636



# Trichromacy



**Original Color**  
DE433F

**Protanomaly**  
A6674C

**Deuteranomaly**  
B36339

**Tritanomaly**  
DE4243

# Monochromacy



**Original Color**  
DE433F

**Achromatopsia**  
717171

**Achromatomaly**  
99605F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE433F 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 #DE433F looks like.

```
.text, #text, p{  
    color:#DE433F  
}
```

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 #DE433F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE433F
}
```

## Border

The CSS property to change the border of an element to Hex DE433F is called "border". The border property can be set on classes, ids or directly on the HTML element.

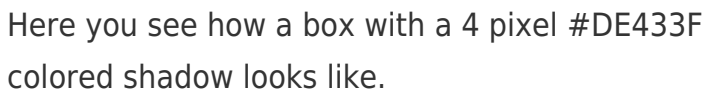
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DE433F }
```

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

```
.border{ border-color:#DE433F }
```

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



Here you see how a box with a 4 pixel #DE433F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE433F; -webkit-box-shadow:4px 4px  
4px 4px #DE433F; box-shadow:4px 4px 4px  
4px #DE433F }
```

# Background

The CSS property to change the background color of an element to Hex DE433F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE433F }
```

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

```
.background{ background-color:#DE433F }
```

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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