

# Converting Colors

Hex(DC4242)

Have a look what the booklet for  
Hex(DC4242) contains.

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# Color

Hex(DC4242)

# Conversions

## Conversions Part 1

Format	Color
Hex	DC4242
RGB	220, 66, 66
RGB Percent	86%, 26%, 26%
CMY	0.1373, 0.7412, 0.7412
CMYK	0.00, 0.70, 0.70, 0.14
HSL	0°, 69%, 56%
HSV	0°, 70%, 86%
XYZ	32.4468, 19.5054, 7.2090
YIQ	112.0460, 91.7840, 32.6480

# Conversions

## Conversions Part 2

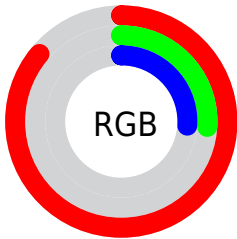
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">220, 66, 66</a>
Decimal	<a href="#">14434882</a>
CIELab	<a href="#">51.27, 59.48, 35.08</a>
CIELCh	<a href="#">51, 69.049, 30.532</a>
Yxy	<a href="#">19.5054, 0.5484, 0.3297</a>
Android (android.graphics.Color)	<a href="#">4292624962</a> ( <a href="#">0xFFDC4242</a> )
YUV	<a href="#">112.0460, -22.7007, 94.6757</a>
Hunter-Lab	<a href="#">44.1649, 53.8505, 21.2376</a>

# Details

The Hex color **DC4242** 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 **42DCDC**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **FF7B72**, and **9D0017** is the 20% darker color. If you saturate the color by 10%, you get **DC2C2C**, and if you desaturate by 10%, it is **DC5858**.

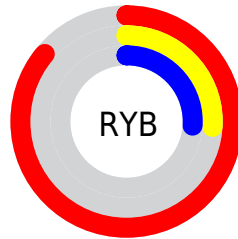
# Distribution



Red (86%)

Green (26%)

Blue (26%)



Red (86%)

Yellow (26%)

Blue (26%)

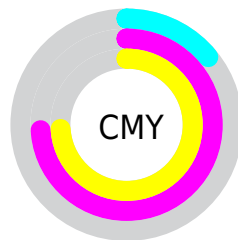


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (14%)



Cyan (14%)

Magenta (74%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DC4242 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 DC4242 by changing the saturation by 10% instead.



 DC4242

 DC4242

FFFFFF

 BC212C

 FF7B72

 9D0017

 FF978C

 7F0000

 FFB4A6

 600000

 FFD1C2

 440002

 FFEEDC

 240001

 FFFFFA

 000000

 DC4242

 DC4242

 DC2C2C

 DC5858

 DC1616

 DC6E6E

 DC0000

 DC8484

 DC9A9A

 DCB0B0

 DCC6C6

 DCDCDC

 DCF2F2

 DCFFFF

# Harmonies

## Analogous

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



DF337C



DC4242



C06000

# Triad

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



DC4242



00903C



0081F1

# Complementary

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



DC4242



42DCDC

# 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.



008FE1



DC4242



00947A

# Square

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



DC4242



578800



0094B5



766AE1

# Rectangle

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



DC4242



A37100



0094B5



0087EF



# Sweetspot

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



DC4242



FFC9C9



DC42DC



806060



000000



808080



# Same Dimension

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



DC4242



FF2929



DC8F42



6E6363



AD0000



2E0000



# Inverse Universe

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



42DCDC



29FFFF



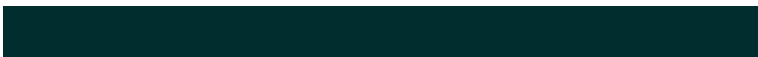
428FDC



636E6E



00ADAD



002E2E



# Previews

## White Background



This preview shows how the Hex color DC4242 looks on a white background.

## Color Contrast Check

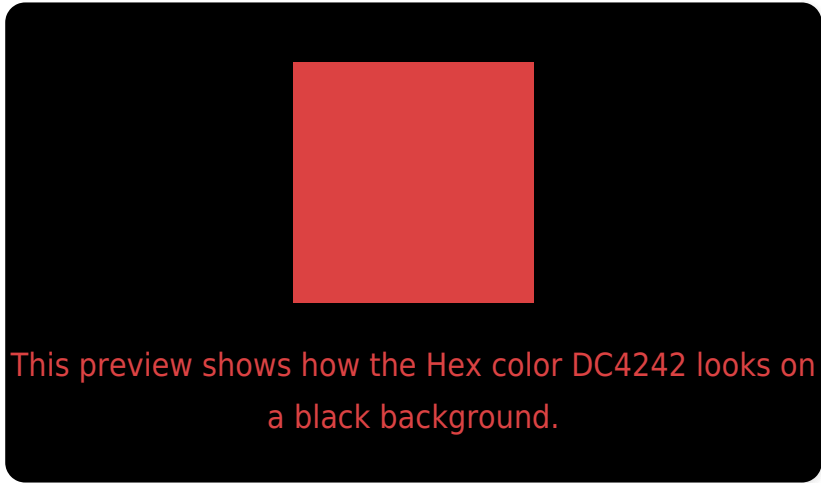
Large Text (above 18pt) WCAG AA ✓ Pass

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 DC4242 Background



This preview shows how black text looks on a background with the Hex color DC4242.

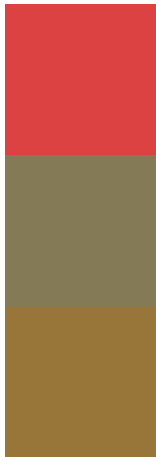


This preview shows how white text looks on a background with the Hex color DC4242.

# 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**  
DC4242

**Protanopia**  
847B56

**Deuteranopia**  
987539



# Trichromacy



**Original Color**  
DC4242

**Protanomaly**  
A4664F

**Deuteranomaly**  
B1623C

**Tritanomaly**  
DC4244

# Monochromacy



**Original Color**  
DC4242

**Achromatopsia**  
707070

**Achromatomaly**  
975F5F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DC4242 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 #DC4242 looks like.

```
.text, #text, p{  
    color:#DC4242  
}
```

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 #DC4242 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DC4242
}
```

## Border

The CSS property to change the border of an element to Hex DC4242 is called "border". The border property can be set on classes, ids or directly on the HTML element.

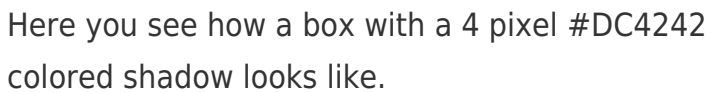
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DC4242 }
```

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

```
.border{ border-color:#DC4242 }
```

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



Here you see how a box with a 4 pixel #DC4242 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DC4242; -webkit-box-shadow:4px 4px  
4px 4px #DC4242; box-shadow:4px 4px 4px  
4px #DC4242 }
```

# Background

The CSS property to change the background color of an element to Hex DC4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DC4242 }
```

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

```
.background{ background-color:#DC4242 }
```

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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