

# Converting Colors

Hex(DD222B)

Have a look what the booklet for  
Hex(DD222B) contains.

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**Color**

**Hex(DD222B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD222B
RGB	221, 34, 43
RGB Percent	87%, 13%, 17%
CMY	0.1333, 0.8667, 0.8314
CMYK	0.00, 0.85, 0.81, 0.13
HSL	357°, 73%, 50%
HSV	357°, 85%, 87%
XYZ	30.8269, 16.6906, 3.8824
YIQ	90.9390, 108.5630, 42.4430

# Conversions

## Conversions Part 2

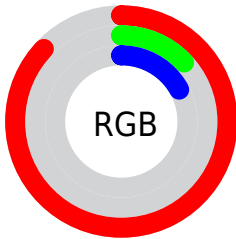
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 34, 43
Decimal	14492203
CIE Lab	47.87, 68.24, 44.29
CIE LCh	48, 81.352, 32.985
Yxy	16.6906, 0.5997, 0.3247
Android (android.graphics.Color)	4292682283 (0xFFDD222B)
YUV	90.9390, -23.6339, 114.0635
Hunter-Lab	40.8542, 63.1940, 22.9636

# Details

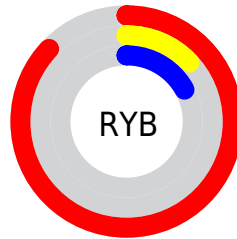
The Hex color **DD222B** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **22DDD4**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **FF655A**, and **9D0000** is the 20% darker color. If you saturate the color by 10%, you get **DD0C16**, and if you desaturate by 10%, it is **DD3840**.

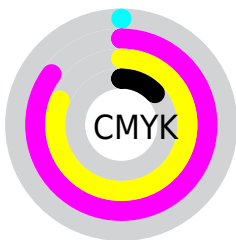
# Distribution



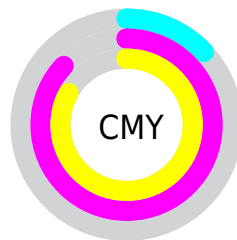
- Red (87%)
- Green (13%)
- Blue (17%)



- Red (87%)
- Yellow (13%)
- Blue (17%)



- Cyan (0%)
- Magenta (85%)
- Yellow (81%)
- Black (13%)



- Cyan (13%)
- Magenta (87%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DD222B 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 DD222B by changing the saturation by 10% instead.



 DD222B

 DD222B

FFFFFF

 BD0015

 FF655A

 9D0000

 FF8273

 7D0000

 FF9F8C

 5D0001

 FFBD A7

 400003

 FFDAC2

 1D0001

 FFF8DE

 000000

 FFFFFB

 DD222B

 DD222B

■ DD0C16

■ DD3840

■ DD000B

■ DD4E55

■ DD646A

■ DD7A7F

■ DD9194

■ DDA7A9

■ DDBDBE

■ DDD3D3

■ DDE9E8

# Harmonies

## Analogous

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



E4006E



DD222B



BA5400

# Triad

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



DD222B



008A2D



0079FD

# Complementary

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



DD222B



22DDD4

# 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.



0088ED



DD222B



008D77

# Square

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



DD222B



3A8200



008EBB



705BE7

# Rectangle

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



DD222B



986900



008EBB



0080FC



# Sweetspot

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



DD222B



FFBFC2



D422DD



80595B



000000



808080



# Same Dimension

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



DD222B



FF000C



DD7622



6E6363



AD0008



2E0002



# Inverse Universe

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



DD222B



FF000C



2289DD



6E6363



AD0008



2E0002



# Previews

## White Background



This preview shows how the Hex color DD222B looks on a white background.

## Color Contrast Check

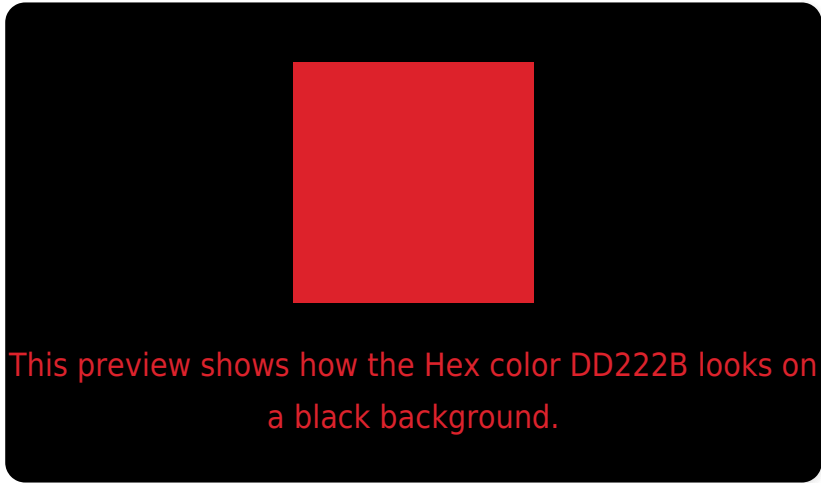
Large Text (above 18pt) WCAG AA ✓ Pass

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 DD222B Background



This preview shows how black text looks on a background with the Hex color DD222B.



This preview shows how white text looks on a background with the Hex color DD222B.

# 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**  
DD222B

**Protanopia**  
7E7340

**Deuteranopia**  
906D1A



# Trichromacy



**Original Color**  
DD222B

**Protanomaly**  
A15638

**Deuteranomaly**  
AC5220

**Tritanomaly**  
DD2325

# Monochromacy



**Original Color**  
DD222B

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
8A464A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DD222B 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 #DD222B looks like.

```
.text, #text, p{  
    color:#DD222B  
}
```

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 #DD222B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DD222B
}
```

## Border

The CSS property to change the border of an element to Hex DD222B is called "border". The border property can be set on classes, ids or directly on the HTML element.

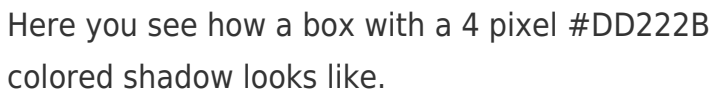
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DD222B }
```

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

```
.border{ border-color:#DD222B }
```

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



Here you see how a box with a 4 pixel `#DD222B` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DD222B; -webkit-box-shadow:4px 4px  
4px 4px #DD222B; box-shadow:4px 4px 4px  
4px #DD222B }
```

# Background

The CSS property to change the background color of an element to Hex DD222B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DD222B }
```

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

```
.background{ background-color:#DD222B }
```

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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