

# Converting Colors

Hex(DE1F31)

Have a look what the booklet for  
Hex(DE1F31) contains.

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# Color

**Hex(DE1F31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE1F31
RGB	222, 31, 49
RGB Percent	87%, 12%, 19%
CMY	0.1294, 0.8784, 0.8078
CMYK	0.00, 0.86, 0.78, 0.13
HSL	354°, 75%, 50%
HSV	354°, 86%, 87%
XYZ	31.1686, 16.7313, 4.4924
YIQ	90.1610, 108.0580, 46.0900

# Conversions

## Conversions Part 2

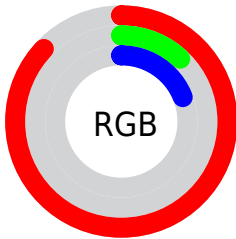
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 31, 49</a>
Decimal	<a href="#">14556977</a>
CIELab	<a href="#">47.92, 69.28, 41.10</a>
CIELCh	<a href="#">48, 80.553, 30.676</a>
Yxy	<a href="#">16.7313, 0.5949, 0.3193</a>
Android (android.graphics.Color)	<a href="#">4292747057 (0xFFDE1F31)</a>
YUV	<a href="#">90.1610, -20.2924, 115.6228</a>
Hunter-Lab	<a href="#">40.9039, 64.4341, 22.1210</a>

# Details

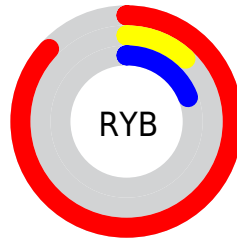
The Hex color **DE1F31** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **1FDECC**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF6460**, and **9E0005** is the 20% darker color. If you saturate the color by 10%, you get **DE091D**, and if you desaturate by 10%, it is **DE3545**.

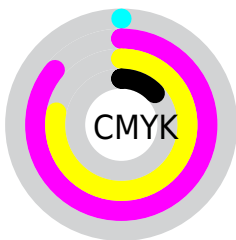
# Distribution



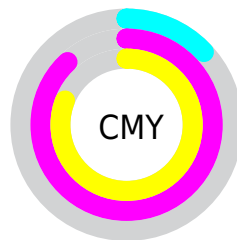
- Red (87%)
- Green (12%)
- Blue (19%)



- Red (87%)
- Yellow (12%)
- Blue (19%)



- Cyan (0%)
- Magenta (86%)
- Yellow (78%)
- Black (13%)



- Cyan (13%)
- Magenta (88%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE1F31 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 DE1F31 by changing the saturation by 10% instead.



 DE1F31

 DE1F31

FFFFFF

 BE001B

 FF6460

 9E0005

 FF8179

 7E0000

 FF9E93

 5E0001

 FFBCAD

 410003

 FFD9C9

 1F0001

 FFF7E5

 000000

 DE1F31

 DE1F31

 DE091D

 DE3545

 DE0015

 DE4B59

 DE626D

 DE7881

 DE8E96

 DEA4AA

 DEBABE

 DED1D2

 DEE7E6

# Harmonies

## Analogous

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



E30073



DE1F31



BD5200

# Triad

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



DE1F31



008927



007BFC

# Complementary

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



DE1F31



1FDECC

# 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.



0089E9



DE1F31



008D71

# Square

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



DE1F31



438100



008EB6



665EE9

# Rectangle

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



DE1F31



9C6700



008EB6



0081FA



# Sweetspot

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



DE1F31



FFBDC3



CB1FDE



80585C



000000



808080



# Same Dimension

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



DE1F31



FF0018



DE6B1F



706566



B00011



300005



# Inverse Universe

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



DE1F31



FF0018



1F92DE



706566



B00011



300005



# Previews

## White Background



This preview shows how the Hex color DE1F31 looks on a white background.

## Color Contrast Check

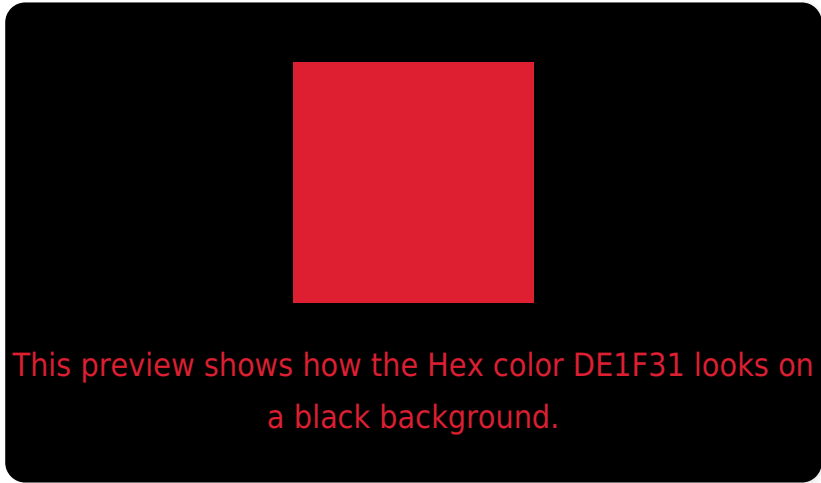
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE1F31 Background



This preview shows how black text looks on a background with the Hex color DE1F31.



This preview shows how white text looks on a background with the Hex color DE1F31.

# 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**  
DE1F31

**Protanopia**  
7D7349

**Deuteranopia**  
906D23



# Trichromacy



**Original Color**  
DE1F31

**Protanomaly**  
A05440

**Deuteranomaly**  
AC5128

**Tritanomaly**  
DE2126

# Monochromacy



**Original Color**  
DE1F31

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
8A454B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE1F31 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 #DE1F31 looks like.

```
.text, #text, p{  
    color:#DE1F31  
}
```

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 #DE1F31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE1F31
}
```

## Border

The CSS property to change the border of an element to Hex DE1F31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

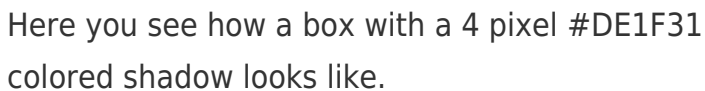
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DE1F31 }
```

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

```
.border{ border-color:#DE1F31 }
```

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



Here you see how a box with a 4 pixel `#DE1F31` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE1F31; -webkit-box-shadow:4px 4px  
4px 4px #DE1F31; box-shadow:4px 4px 4px  
4px #DE1F31 }
```

# Background

The CSS property to change the background color of an element to Hex DE1F31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE1F31 }
```

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

```
.background{ background-color:#DE1F31 }
```

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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