

# Converting Colors

Hex(E31D2A)

Have a look what the booklet for  
Hex(E31D2A) contains.

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# Color

Hex(E31D2A)

# Conversions

## Conversions Part 1

Format	Color
Hex	E31D2A
RGB	227, 29, 42
RGB Percent	89%, 11%, 16%
CMY	0.1098, 0.8863, 0.8353
CMYK	0.00, 0.87, 0.81, 0.11
HSL	356°, 78%, 50%
HSV	356°, 87%, 89%
XYZ	32.5358, 17.3768, 3.8297
YIQ	89.6840, 113.8350, 46.0190

# Conversions

## Conversions Part 2

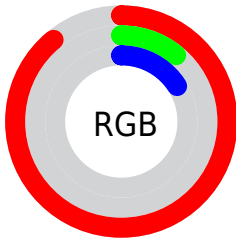
Format	Color
R <sub>Y</sub> B	227, 29, 42
Decimal	14884138
CIE Lab	48.73, 70.75, 46.08
CIE LCh	49, 84.433, 33.074
Yxy	17.3768, 0.6054, 0.3233
Android (android.graphics.Color)	4293074218 (0xFFE31D2A)
YUV	89.6840, -23.5082, 120.4261
Hunter-Lab	41.6855, 66.3710, 23.7328

# Details

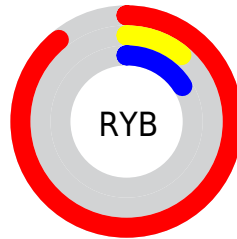
The Hex color **E31D2A** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **1DE3D6**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF6459**, and **A20000** is the 20% darker color. If you saturate the color by 10%, you get **E30615**, and if you desaturate by 10%, it is **E3343F**.

# Distribution



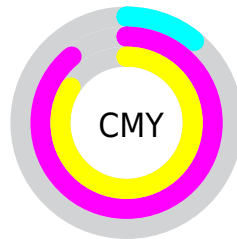
- Red (89%)
- Green (11%)
- Blue (16%)



- Red (89%)
- Yellow (11%)
- Blue (16%)



- Cyan (0%)
- Magenta (87%)
- Yellow (81%)
- Black (11%)



- Cyan (11%)
- Magenta (89%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E31D2A 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 E31D2A by changing the saturation by 10% instead.



 E31D2A

 E31D2A

FFFFFF

 C20014

 FF6459

 A20000

 FF8172

 820000

 FF9F8B

 620001

 FFBCA6

 450003

 FFDAC1

 240001

 FFF8DD

 000000

 FFFFFA

 E31D2A

 E31D2A

 E30615

 E3343F

 E3000F

 E34A54

 E3616A

 E3787F

 E38F94

 E3A5A9

 E3BCBE

 E3D3D4

 E3E9E9

# Harmonies

## Analogous

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



EB0070



E31D2A



BE5500

# Triad

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



E31D2A



008D2C



007CFF

# Complementary

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



E31D2A



1DE3D6

# 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.



008BF5



E31D2A



00907A

# Square

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



E31D2A



388500



0091C1



725CEE

# Rectangle

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



E31D2A



9B6B00



0091C1



0082FF



# Sweetspot

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



E31D2A



FFBDC1



D61DE3



80585B



000000



808080



# Same Dimension

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



E31D2A



FF0011



E3731D



736768



B3000C



330003



# Inverse Universe

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



E31D2A



FF0011



1D8DE3



736768



B3000C



330003



# Previews

## White Background



This preview shows how the Hex color E31D2A looks on a white background.

## Color Contrast Check

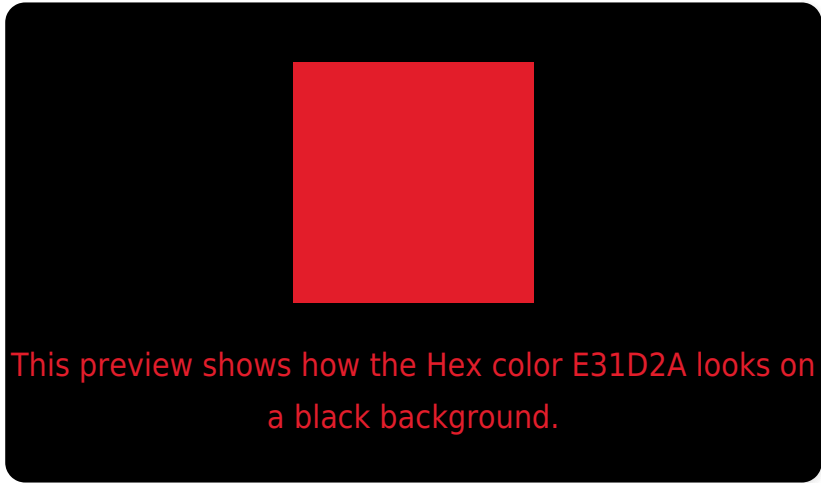
Large Text (above 18pt) WCAG AA ✓ Pass

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 E31D2A Background



This preview shows how black text looks on a background with the Hex color E31D2A.



This preview shows how white text looks on a background with the Hex color E31D2A.

# 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**  
E31D2A

**Protanopia**  
807540

**Deuteranopia**  
936F17



**Tritanopia**  
E3201C

# Trichromacy



**Original Color**  
E31D2A

**Protanomaly**  
A45538

**Deuteranomaly**  
B0511E

**Tritanomaly**  
E31F21

# Monochromacy



**Original Color**  
E31D2A

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
8C4449

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E31D2A 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 #E31D2A looks like.

```
.text, #text, p{  
    color:#E31D2A  
}
```

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 #E31D2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E31D2A
}
```

## Border

The CSS property to change the border of an element to Hex E31D2A is called "border". The border property can be set on classes, ids or directly on the HTML element.

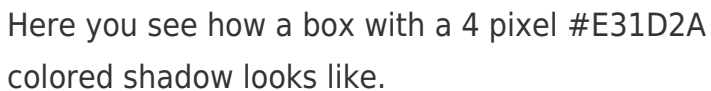
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E31D2A }
```

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

```
.border{ border-color:#E31D2A }
```

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



Here you see how a box with a 4 pixel `#E31D2A` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E31D2A; -webkit-box-shadow:4px 4px  
4px 4px #E31D2A; box-shadow:4px 4px 4px  
4px #E31D2A }
```

# Background

The CSS property to change the background color of an element to Hex E31D2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E31D2A }
```

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

```
.background{ background-color:#E31D2A }
```

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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