

# Converting Colors

Hex(E02E36)

Have a look what the booklet for  
Hex(E02E36) contains.

<b>Hex(E02E36)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(E02E36)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E02E36
RGB	224, 46, 54
RGB Percent	88%, 18%, 21%
CMY	0.1216, 0.8196, 0.7882
CMYK	0.00, 0.79, 0.76, 0.12
HSL	357°, 74%, 53%
HSV	357°, 79%, 88%
XYZ	32.3833, 18.0676, 5.2706
YIQ	100.1340, 103.5200, 40.2240

# Conversions

## Conversions Part 2

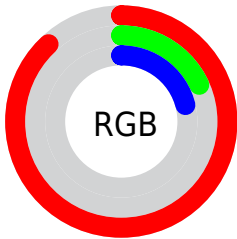
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 46, 54
Decimal	14691894
CIE <sub>Lab</sub>	49.58, 66.55, 40.18
CIE <sub>LCh</sub>	50, 77.741, 31.117
Yxy	18.0676, 0.5812, 0.3242
Android (android.graphics.Color)	4292881974 (0xFFE02E36)
YUV	100.1340, -22.7441, 108.6305
Hunter-Lab	42.5060, 61.6051, 22.4024

# Details

The Hex color **E02E36** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **2EE0D8**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **FF6D65**, and **A0000B** is the 20% darker color. If you saturate the color by 10%, you get **E01821**, and if you desaturate by 10%, it is **E0444B**.

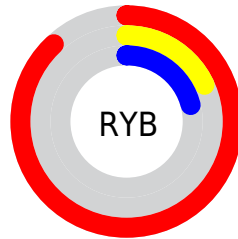
# Distribution



Red (88%)

Green (18%)

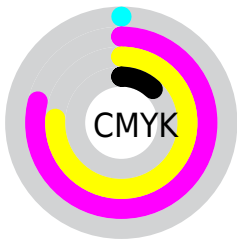
Blue (21%)



Red (88%)

Yellow (18%)

Blue (21%)

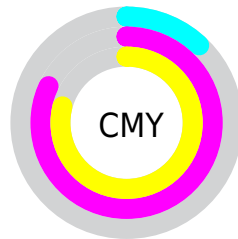


Cyan (0%)

Magenta (79%)

Yellow (76%)

Black (12%)



Cyan (12%)

Magenta (82%)

Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E02E36 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 E02E36 by changing the saturation by 10% instead.



 E02E36

 E02E36

FFFFFF

 C00020

 FF6D65

 A0000B

 FF8A7F

 810000

 FFA799

 610001

 FFC4B4

 450003

 FFE1CF

 230001

 FFFFEB

 000000

 E02E36

 E02E36

 E01821

 E0444B

 E0010B

 E05B61

 E0000A

 E07176

 E0888C

 E09EA1

 E0B4B6

 E0CBCC

 E0E1E1

 E0F8F7

# Harmonies

## Analogous

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



E50676



E02E36



C05800

# Triad

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



E02E36



008E30



007EFC

# Complementary

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



E02E36



2EE0D8

# 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.



008CEA



E02E36



009177

# Square

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



E02E36



498500



0091B9



6F63E9

# Rectangle

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



E02E36



A06C00



0091B9



0084FA



# Sweetspot

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



E02E36



FFC2C5



D72EE0



805B5C



000000



808080



# Same Dimension

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



E02E36



FF0D18



E07E2E



706565



B00008



300002



# Inverse Universe

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



E02E36



FF0D18



2E90E0



706565



B00008



300002



# Previews

## White Background



This preview shows how the Hex color E02E36 looks on a white background.

## Color Contrast Check

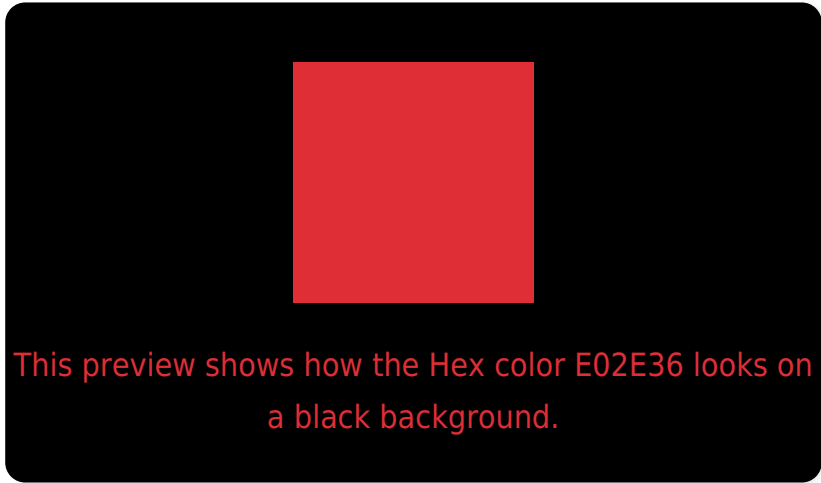
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 E02E36 Background



This preview shows how black text looks on a background with the Hex color E02E36.



This preview shows how white text looks on a background with the Hex color E02E36.

# 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**  
E02E36

**Protanopia**  
81774C

**Deuteranopia**  
94712A



**Tritanopia**  
E02F2F

# Trichromacy



**Original Color**  
E02E36

**Protanomaly**  
A45C44

**Deuteranomaly**  
B0592E

**Tritanomaly**  
E02F32

# Monochromacy



**Original Color**  
E02E36

**Achromatopsia**  
646464

**Achromatomaly**  
915053

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E02E36 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 #E02E36 looks like.

```
.text, #text, p{  
    color:#E02E36  
}
```

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 #E02E36 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E02E36
}
```

## Border

The CSS property to change the border of an element to Hex E02E36 is called "border". The border property can be set on classes, ids or directly on the HTML element.

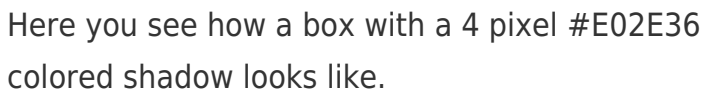
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E02E36 }
```

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

```
.border{ border-color:#E02E36 }
```

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



Here you see how a box with a 4 pixel #E02E36 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E02E36; -webkit-box-shadow:4px 4px  
4px 4px #E02E36; box-shadow:4px 4px 4px  
4px #E02E36 }
```

# Background

The CSS property to change the background color of an element to Hex E02E36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E02E36 }
```

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

```
.background{ background-color:#E02E36 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor