

# Converting Colors

Hex(E02228)

Have a look what the booklet for  
Hex(E02228) contains.

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**Color**

**Hex(E02228)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E02228
RGB	224, 34, 40
RGB Percent	88%, 13%, 16%
CMY	0.1216, 0.8667, 0.8431
CMYK	0.00, 0.85, 0.82, 0.12
HSL	358°, 75%, 51%
HSV	358°, 85%, 88%
XYZ	31.6955, 17.1445, 3.6462
YIQ	91.4940, 111.3140, 42.1460

# Conversions

## Conversions Part 2

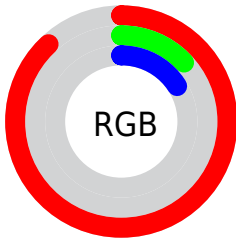
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 34, 40
Decimal	14688808
CIE Lab	48.44, 68.96, 46.64
CIE LCh	48, 83.255, 34.072
Yxy	17.1445, 0.6039, 0.3266
Android (android.graphics.Color)	4292878888 (0xFFE02228)
YUV	91.4940, -25.3865, 116.2078
Hunter-Lab	41.4060, 64.1779, 23.7632

# Details

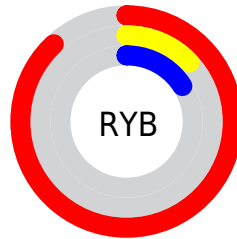
The Hex color **E02228** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **22E0DA**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **FF6557**, and **9F0000** is the 20% darker color. If you saturate the color by 10%, you get **E00C12**, and if you desaturate by 10%, it is **E0383E**.

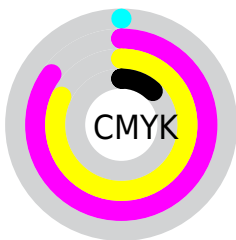
# Distribution



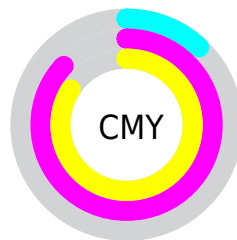
- Red (88%)
- Green (13%)
- Blue (16%)



- Red (88%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (85%)
- Yellow (82%)
- Black (12%)



- Cyan (12%)
- Magenta (87%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E02228 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 E02228 by changing the saturation by 10% instead.



 E02228

 E02228

FFFFFFF

 BF0012

 FF6557

 9F0000

 FF8370

 7F0000

 FFA089

 600001

 FFBD44

 430003

 FFDBBF

 210001

 FFF9DB

 000000

 FFFFF8

 E02228

 E02228

 E00C12

 E0383E

 E00007

 E04F53

 E06569

 E07C7F

 E09294

 E0A8AA

 E0BFC0

 E0D5D6

 E0ECEB

# Harmonies

## Analogous

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



E9006D



E02228



BB5600

# Triad

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



E02228



008C2F



007AFF

# Complementary

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



E02228



22E0DA

# 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.



008AF3



E02228



008F7B

# Square

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



E02228



358400



008FC1



765AEA

# Rectangle

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



E02228



986C00



008FC1



0081FF



# Sweetspot

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



E02228



FFBFC1



DA22E0



80595A



000000



808080



# Same Dimension

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



E02228



FF0008



E07B22



706565



B00006



300002



# Inverse Universe

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



E02228



FF0008



2287E0



706565



B00006



300002



# Previews

## White Background



This preview shows how the Hex color E02228 looks on a white background.

## Color Contrast Check

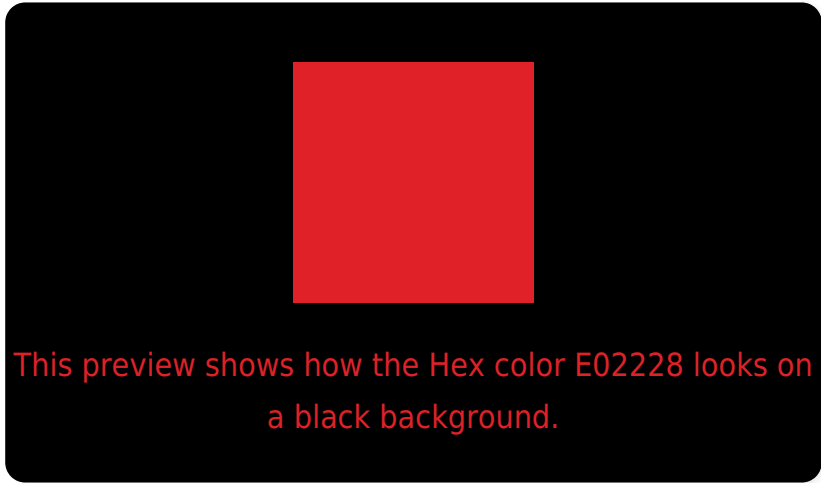
Large Text (above 18pt) WCAG AA ✓ Pass

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 E02228 Background



This preview shows how black text looks on a background with the Hex color E02228.



This preview shows how white text looks on a background with the Hex color E02228.

# 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**  
E02228

**Protanopia**  
80743D

**Deuteranopia**  
926E14



**Tritanopia**  
E02321

# Trichromacy



**Original Color**  
E02228

**Protanomaly**  
A35635

**Deuteranomaly**  
AE521B

**Tritanomaly**  
E02324

# Monochromacy



**Original Color**  
E02228

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
8B4648

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E02228 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 #E02228 looks like.

```
.text, #text, p{  
    color:#E02228  
}
```

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 #E02228 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E02228
}
```

## Border

The CSS property to change the border of an element to Hex E02228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

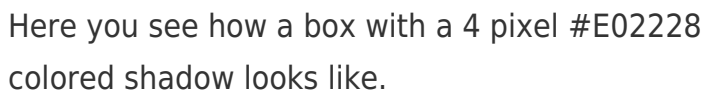
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E02228 }
```

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

```
.border{ border-color:#E02228 }
```

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



Here you see how a box with a 4 pixel #E02228 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E02228; -webkit-box-shadow:4px 4px  
4px 4px #E02228; box-shadow:4px 4px 4px  
4px #E02228 }
```

# Background

The CSS property to change the background color of an element to Hex E02228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E02228 }
```

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

```
.background{ background-color:#E02228 }
```

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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