

# Converting Colors

Hex(E22511)

Have a look what the booklet for  
Hex(E22511) contains.

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**Color**

**Hex(E22511)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E22511
RGB	226, 37, 17
RGB Percent	89%, 15%, 7%
CMY	0.1137, 0.8549, 0.9333
CMYK	0.00, 0.84, 0.92, 0.11
HSL	6°, 86%, 48%
HSV	6°, 92%, 89%
XYZ	32.1268, 17.5324, 2.2211
YIQ	91.2310, 119.0640, 33.8480

# Conversions

## Conversions Part 2

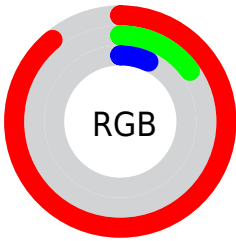
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 39, 17
Decimal	14820625
CIE <sub>Lab</sub>	48.92, 68.45, 57.29
CIE <sub>LCh</sub>	49, 89.261, 39.928
Yxy	17.5324, 0.6192, 0.3379
Android (android.graphics.Color)	4293010705 (0xFFE22511)
YUV	91.2310, -36.5959, 118.1924
Hunter-Lab	41.8717, 63.6819, 26.1651

# Details

The Hex color **E22511** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **11CEE2**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **FF6743**, and **A10000** is the 20% darker color. If you saturate the color by 10%, you get **E21600**, and if you desaturate by 10%, it is **E23928**.

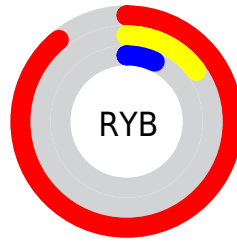
# Distribution



Red (89%)

Green (15%)

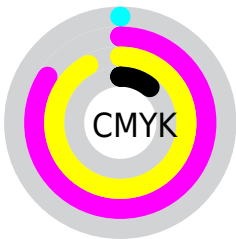
Blue (7%)



Red (89%)

Yellow (15%)

Blue (7%)

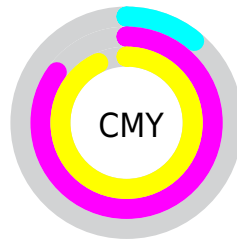


Cyan (0%)

Magenta (84%)

Yellow (92%)

Black (11%)



Cyan (11%)

Magenta (85%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E22511 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 E22511 by changing the saturation by 10% instead.



 E22511

 E22511

FFFFFF

 C10000

 FF6743

 A10000

 FF845C

 800000

 FFA176

 610001

 FFBF90

 440003

 FFDCAB

 220001

 FFFAC7

 000000

 FFFF E3

 E22511

 E22511

 E21600

 E23928

 E24E3E

 E26255

 E2776B

 E28B82

 E2A099

 E2B4AF

 E2C8C6

 E2DDDC

# Harmonies

## Analogous

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



F3005F



E22511



B65D00

# Triad

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



E22511



008F3C



0077FF

# Complementary

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



E22511



11CEE2

# 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.



008BFF



E22511



00928C

# Square

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



E22511



008800



0092D5



8F50EA

# Rectangle

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



E22511



8E7200



0092D5



007FFF



# Sweetspot

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



E22511



FFBEB8



E211D1



805854



000000



808080



# Same Dimension

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



E22511



FF1800



E28B11



706665



B01100



300500



# Inverse Universe

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



11CEE2



00E7FF



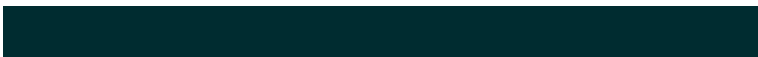
1168E2



656F70



009FB0



002C30



# Previews

## White Background



This preview shows how the Hex color E22511 looks on a white background.

## Color Contrast Check

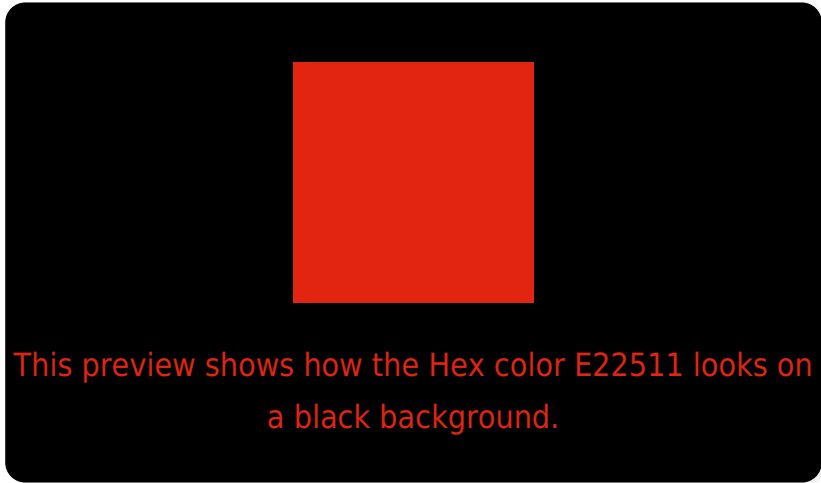
Large Text (above 18pt) WCAG AA ✓ Pass

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 E22511 Background



This preview shows how black text looks on a background with the Hex color E22511.



This preview shows how white text looks on a background with the Hex color E22511.

# 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**  
E22511

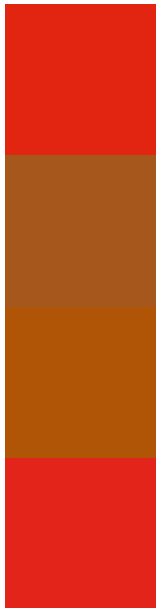
**Protanopia**  
837523

**Deuteranopia**  
946F00



**Tritanopia**  
E22321

# Trichromacy



**Original Color**  
E22511

**Protanomaly**  
A6581C

**Deuteranomaly**  
B05406

**Tritanomaly**  
E2241B

# Monochromacy



**Original Color**  
E22511

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
8C4740

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E22511 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 #E22511 looks like.

```
.text, #text, p{  
    color:#E22511  
}
```

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 #E22511 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E22511
}
```

## Border

The CSS property to change the border of an element to Hex E22511 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
#E22511 }
```

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

```
.border{ border-color:#E22511 }
```

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

Here you see how a box with a 4 pixel #E22511 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E22511; -webkit-box-shadow:4px 4px  
4px 4px #E22511; box-shadow:4px 4px 4px  
4px #E22511 }
```

# Background

The CSS property to change the background color of an element to Hex E22511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E22511 }
```

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

```
.background{ background-color:#E22511 }
```

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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