

# Converting Colors

Hex(E32A06)

Have a look what the booklet for  
Hex(E32A06) contains.

<b>Hex(E32A06)</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(E32A06)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E32A06
RGB	227, 42, 6
RGB Percent	89%, 16%, 2%
CMY	0.1098, 0.8353, 0.9765
CMYK	0.00, 0.81, 0.97, 0.11
HSL	10°, 95%, 46%
HSV	10°, 97%, 89%
XYZ	32.5394, 18.0000, 1.9316
YIQ	93.2110, 121.8160, 28.0240

# Conversions

## Conversions Part 2

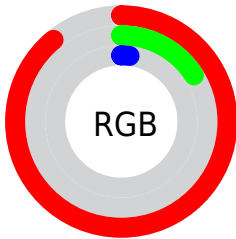
Format	Color
<a href="#">RYB</a>	<a href="#">227, 49, 6</a>
Decimal	<a href="#">14887430</a>
CIELab	<a href="#">49.50, 67.47, 60.76</a>
CIELCh	<a href="#">49, 90.797, 42.007</a>
Yxy	<a href="#">18.0000, 0.6201, 0.3430</a>
Android (android.graphics.Color)	<a href="#">4293077510</a> ( <a href="#">0xFFE32A06</a> )
YUV	<a href="#">93.2110, -42.9950, 117.3330</a>
Hunter-Lab	<a href="#">42.4264, 62.6565, 26.9991</a>

# Details

The Hex color **E32A06** 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 **06BFE3**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **FF6A3D**, and **A10000** is the 20% darker color. If you saturate the color by 10%, you get **E32500**, and if you desaturate by 10%, it is **E33D1D**.

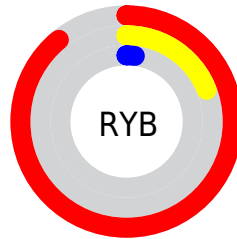
# Distribution



Red (89%)

Green (16%)

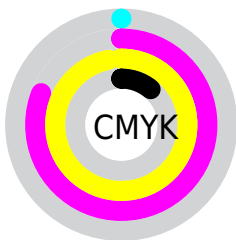
Blue (2%)



Red (89%)

Yellow (19%)

Blue (2%)

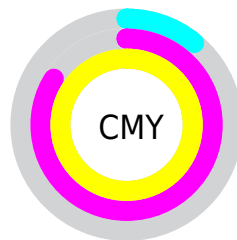


Cyan (0%)

Magenta (81%)

Yellow (97%)

Black (11%)



Cyan (11%)

Magenta (84%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E32A06 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 E32A06 by changing the saturation by 10% instead.



 E32A06

 E32A06

 FFFFFB

 C20000

 FF6A3D

 A10000

 FF8756

 810000

 FFA470

 620001

 FFC18B

 450003

 FFDF A6

 240001

 FFFDC1

 000000

 FFFFDE

 E32A06

 E32A06

 E32500

 E33D1D

 E35033

 E3634A

 E37661

 E38977

 E39C8E

 E3AFA5

 E3C2BC

 E3D5D2

# Harmonies

## Analogous

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



F7005B



E32A06



B56000

# Triad

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



E32A06



009242



0076FF

# Complementary

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



E32A06



06BFE3

# 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.



008CFF



E32A06



009494

# Square

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



E32A06



008B00



0094DD



994DEA

# Rectangle

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



E32A06



8B7500



0094DD



007FFF



# Sweetspot

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



E32A06



FFC1B5



E306C2



805A53



000000



808080



# Same Dimension

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



E32A06



FF2A00



E39606



736967



B31D00



330800



# Inverse Universe

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



06BFE3



00D5FF



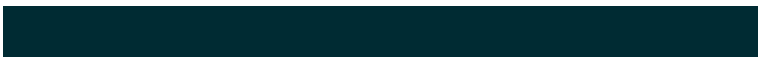
0653E3



677173



0095B3



002B33



# Previews

## White Background



This preview shows how the Hex color E32A06 looks on a white background.

## Color Contrast Check

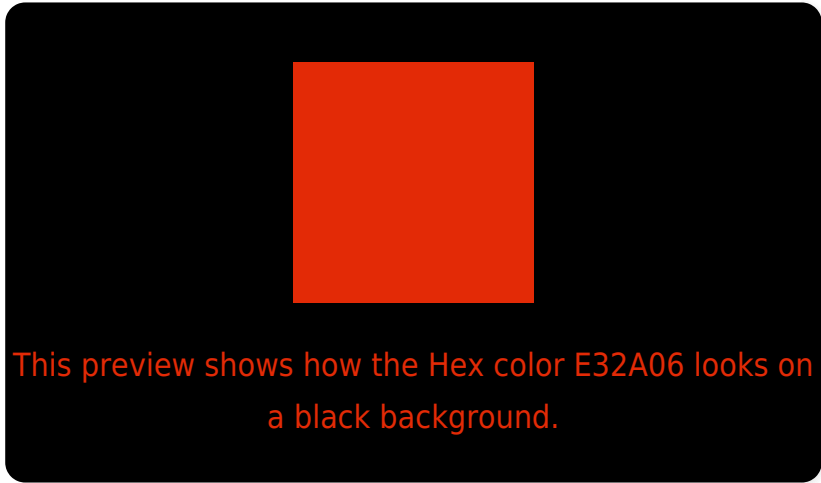
Large Text (above 18pt) WCAG AA ✓ Pass

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 E32A06 Background



This preview shows how black text looks on a background with the Hex color E32A06.



This preview shows how white text looks on a background with the Hex color E32A06.

# 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**  
E32A06

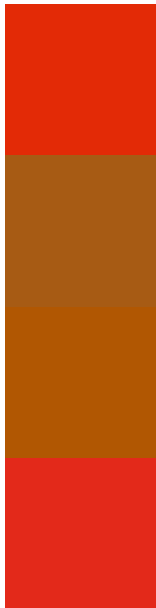
**Protanopia**  
85771C

**Deuteranopia**  
957100



**Tritanopia**  
E32826

# Trichromacy



**Original Color**  
E32A06

**Protanomaly**  
A75B14

**Deuteranomaly**  
B15702

**Tritanomaly**  
E3291A

# Monochromacy



**Original Color**  
E32A06

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
8E4A3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E32A06 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 #E32A06 looks like.

```
.text, #text, p{  
    color:#E32A06  
}
```

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 #E32A06 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E32A06
}
```

## Border

The CSS property to change the border of an element to Hex E32A06 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".

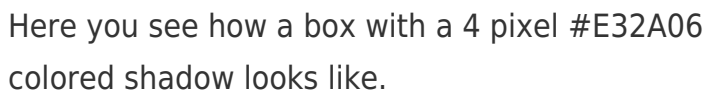
```
.border, #border, table{ border:4px solid
#E32A06 }
```

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

```
.border{ border-color:#E32A06 }
```

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

Here you see how a box with a 4 pixel #E32A06 colored shadow looks like.

A rectangular box with a thick red border and a red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #E32A06 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E32A06; -webkit-box-shadow:4px 4px  
4px 4px #E32A06; box-shadow:4px 4px 4px  
4px #E32A06 }
```

# Background

The CSS property to change the background color of an element to Hex E32A06 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E32A06 }
```

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

```
.background{ background-color:#E32A06 }
```

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