

# Converting Colors

Hex(7E3100)

Have a look what the booklet for  
Hex(7E3100) contains.

<b>Hex(7E3100)</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(7E3100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E3100
RGB	126, 49, 0
RGB Percent	49%, 19%, 0%
CMY	0.5059, 0.8078, 1.0000
CMYK	0.00, 0.61, 1.00, 0.51
HSL	23°, 100%, 25%
HSV	23°, 100%, 49%
XYZ	9.7025, 6.6322, 0.7688
YIQ	66.4370, 61.6210, 1.0850

# Conversions

## Conversions Part 2

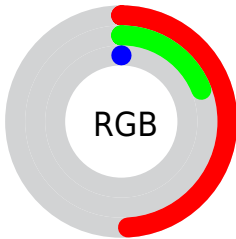
Format	Color
<b>R<sub>Y</sub>B</b>	126, 80, 0
Decimal	8270080
CIE <sub>Lab</sub>	30.95, 31.29, 42.37
CIE <sub>LCh</sub>	31, 52.673, 53.559
Yxy	6.6322, 0.5673, 0.3878
Android (android.graphics.Color)	4286460160 (0xFF7E3100)
YUV	66.4370, -32.7534, 52.2368
Hunter-Lab	25.7531, 22.1819, 16.2573

# Details

The Hex color **7E3100** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **004D7E**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **B96231**, and **450000** is the 20% darker color. If you saturate the color by 10%, you get **7E3100**, and if you desaturate by 10%, it is **7E390D**.

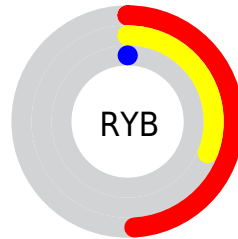
# Distribution



Red (49%)

Green (19%)

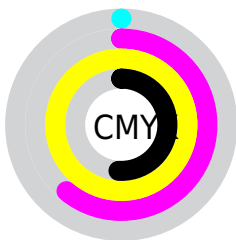
Blue (0%)



Red (49%)

Yellow (31%)

Blue (0%)

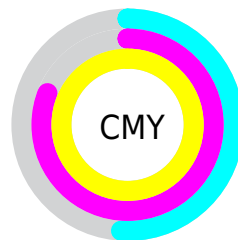


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (81%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7E3100 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 7E3100 by changing the saturation by 10% instead.



 7E3100

 7E3100

 FFFFE9

 621900

 B96231

 450000

 D77B49

 2D0001

 F69662

 000000

 FFB17B

 FFCD96

 FFE9B1

 FFFFCC

 7E3100

 7E390D

 7E4019

 7E4826

 7E5032

 7E583F

 7E5F4C

 7E6758

 7E6F65

 7E7671

# Harmonies

## Analogous

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



8E192B



7E3100



614400

# Triad

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



7E3100



005A3E



2D4295

# Complementary

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



7E3100



004D7E

# 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.



00519C



7E3100



005B69

# Square

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



7E3100



005712



00588B



702B7A

# Rectangle

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



7E3100



494D00



00588B



00489A



# Sweetspot

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



7E3100



A38572



7E004E



524034



D1D1D1



525252



# Same Dimension

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



7E3100



A33F00



7E6F00



403C39



803200



000000



# Inverse Universe

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



004D7E



0064A3



000F7E



393D40



004E80

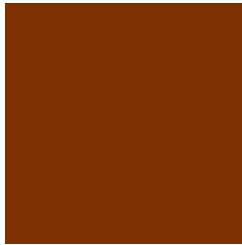


000000



# Previews

## White Background



This preview shows how the Hex color 7E3100 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

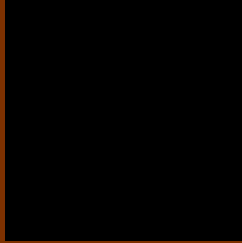
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7E3100 Background



This preview shows how black text looks on a background with the Hex color 7E3100.



This preview shows how white text looks on a background with the Hex color 7E3100.

# 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**  
7E3100

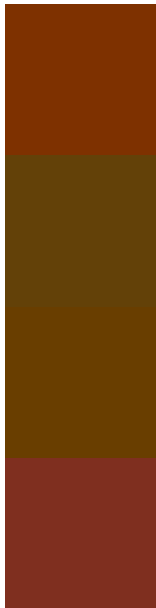
**Protanopia**  
534A0D

**Deuteranopia**  
5D4600



**Tritanopia**  
7F2E30

# Trichromacy



**Original Color**  
7E3100

**Protanomaly**  
634108

**Deuteranomaly**  
693E00

**Tritanomaly**  
7F2F1F

# Monochromacy



**Original Color**  
7E3100

**Achromatopsia**  
424242

**Achromatomaly**  
583C2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7E3100 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 #7E3100 looks like.

```
.text, #text, p{  
    color:#7E3100  
}
```

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 #7E3100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7E3100
}
```

## Border

The CSS property to change the border of an element to Hex 7E3100 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
#7E3100 }
```

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

```
.border{ border-color:#7E3100 }
```

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

Here you see how a box with a 4 pixel #7E3100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7E3100; -webkit-box-shadow:4px 4px  
4px 4px #7E3100; box-shadow:4px 4px 4px  
4px #7E3100 }
```

# Background

The CSS property to change the background color of an element to Hex 7E3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7E3100 }
```

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

```
.background{ background-color:#7E3100 }
```

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