

# Converting Colors

Hex(E62500)

Have a look what the booklet for  
Hex(E62500) contains.

<b>Hex(E62500)</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(E62500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E62500
RGB	230, 37, 0
RGB Percent	90%, 15%, 0%
CMY	0.0980, 0.8549, 1.0000
CMYK	0.00, 0.84, 1.00, 0.10
HSL	10°, 100%, 45%
HSV	10°, 100%, 90%
XYZ	33.2947, 18.1461, 1.7477
YIQ	90.4890, 126.9050, 29.4090

# Conversions

## Conversions Part 2

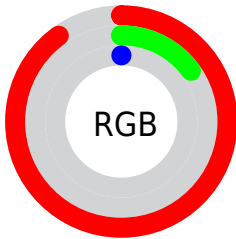
Format	Color
<a href="#">RYB</a>	<a href="#">230, 44, 0</a>
Decimal	<a href="#">15082752</a>
CIELab	<a href="#">49.67, 69.39, 62.78</a>
CIELCh	<a href="#">50, 93.575, 42.135</a>
Yxy	<a href="#">18.1461, 0.6260, 0.3412</a>
Android (android.graphics.Color)	<a href="#">4293272832 (0xFFE62500)</a>
YUV	<a href="#">90.4890, -44.6111, 122.3511</a>
Hunter-Lab	<a href="#">42.5983, 64.9681, 27.3862</a>

# Details

The Hex color **E62500** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **00C1E6**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **FF683A**, and **A40000** is the 20% darker color. If you saturate the color by 10%, you get **E62500**, and if you desaturate by 10%, it is **E63817**.

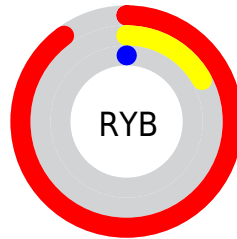
# Distribution



Red (90%)

Green (15%)

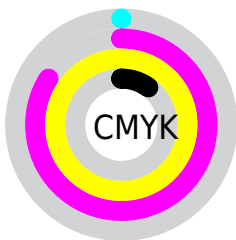
Blue (0%)



Red (90%)

Yellow (17%)

Blue (0%)

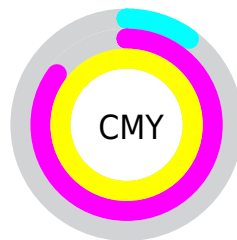


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (85%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E62500 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 E62500 by changing the saturation by 10% instead.



 E62500

 E62500

 FFFFF7

 C50000

 FF683A

 A40000

 FF8553

 840000

 FFA26D

 640001

 FFC087

 470004

 FFDDA2

 260001

 FFFBBE

 000000

 FFFFDA

 E62500

 E63817

 E64C2E

 E65F45

 E6725C

 E68673

 E6998A

 E6ACA1

 E6BFB8

 E6D3CF

# Harmonies

## Analogous

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



FA005A



E62500



B66000

# Triad

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



E62500



009341



0077FF

# Complementary

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



E62500



00C1E6

# 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.



008DFF



E62500



009596

# Square

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



E62500



008C00



0095E1



9B4BEE

# Rectangle

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



E62500



8B7500



0095E1



0080FF



# Sweetspot

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



E62500



FFBFB3



E600C4



805952



000000



808080



# Same Dimension

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



E62500



FF2900



E69600



736967



B31D00



330800

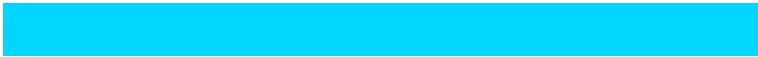


# Inverse Universe

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



00C1E6



00D6FF



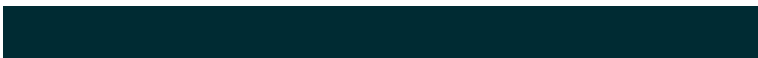
0051E6



677173



0096B3



002B33



# Previews

## White Background



This preview shows how the Hex color E62500 looks on a white background.

## Color Contrast Check

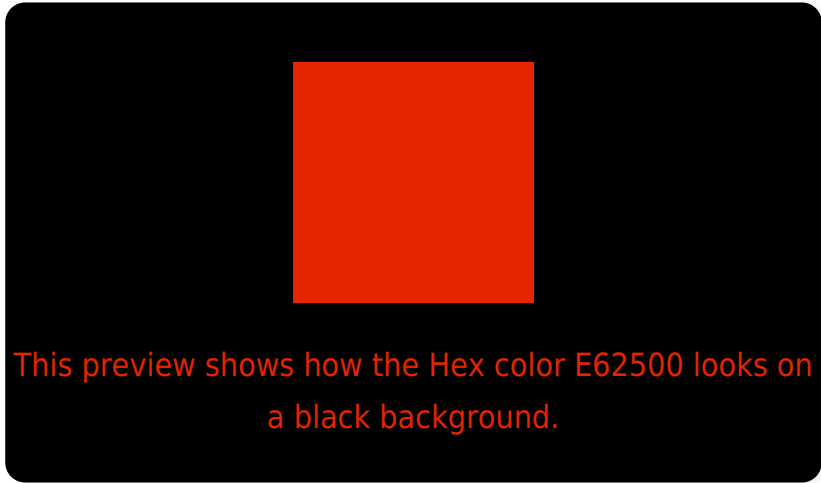
Large Text (above 18pt) WCAG AA ✓ Pass

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 E62500 Background



This preview shows how black text looks on a background with the Hex color E62500.



This preview shows how white text looks on a background with the Hex color E62500.

# 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**  
E62500

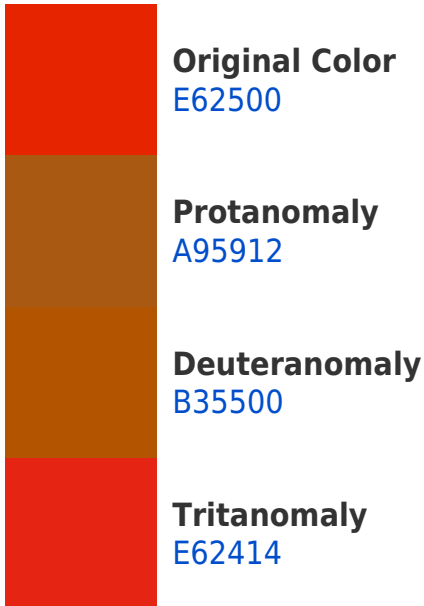
**Protanopia**  
86771C

**Deuteranopia**  
967100

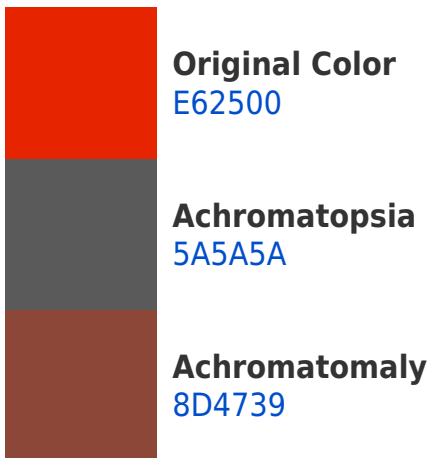


**Tritanopia**  
E62320

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E62500 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 #E62500 looks like.

```
.text, #text, p{  
    color:#E62500  
}
```

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 #E62500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E62500  
}
```

## Border

The CSS property to change the border of an element to Hex E62500 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".

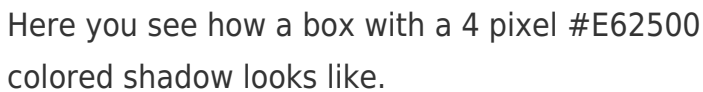
```
.border, #border, table{ border:4px solid  
#E62500 }
```

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

```
.border{ border-color:#E62500 }
```

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

Here you see how a box with a 4 pixel #E62500 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 #E62500 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E62500; -webkit-box-shadow:4px 4px  
4px 4px #E62500; box-shadow:4px 4px 4px  
4px #E62500 }
```

# Background

The CSS property to change the background color of an element to Hex E62500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E62500 }
```

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

```
.background{ background-color:#E62500 }
```

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