

# Converting Colors

Hex(DE580E)

Have a look what the booklet for  
Hex(DE580E) contains.

<b>Hex(DE580E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(DE580E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE580E
RGB	222, 88, 14
RGB Percent	87%, 35%, 5%
CMY	0.1294, 0.6549, 0.9451
CMYK	0.00, 0.60, 0.94, 0.13
HSL	21°, 88%, 46%
HSV	21°, 94%, 87%
XYZ	33.6932, 22.5407, 2.9904
YIQ	119.6300, 103.6180, 5.3940

# Conversions

## Conversions Part 2

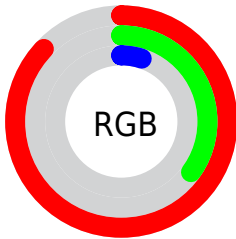
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 129, 14</a>
Decimal	<a href="#">14571534</a>
CIELab	<a href="#">54.60, 49.57, 61.38</a>
CIELCh	<a href="#">55, 78.894, 51.073</a>
Yxy	<a href="#">22.5407, 0.5689, 0.3806</a>
Android (android.graphics.Color)	<a href="#">4292761614 (0xFFDE580E)</a>
YUV	<a href="#">119.6300, -52.0756, 89.7785</a>
Hunter-Lab	<a href="#">47.4771, 43.5916, 29.4995</a>

# Details

The Hex color **DE580E** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **0E94DE**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **FF8E46**, and **9F2000** is the 20% darker color. If you saturate the color by 10%, you get **DE4F00**, and if you desaturate by 10%, it is **DE6624**.

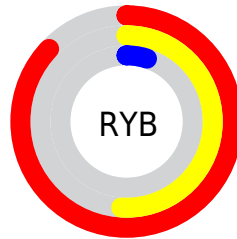
# Distribution



Red (87%)

Green (35%)

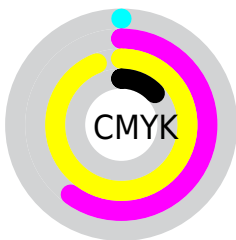
Blue (5%)



Red (87%)

Yellow (51%)

Blue (5%)

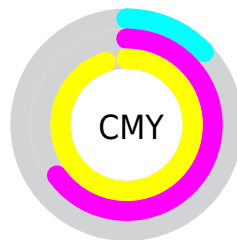


Cyan (0%)

Magenta (60%)

Yellow (94%)

Black (13%)



Cyan (13%)

Magenta (65%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE580E 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 DE580E by changing the saturation by 10% instead.



 DE580E

 DE580E

FFFFFF

 BE3D00

 FF8E46

 9F2000

 FFAA60

 7F0000

 FFC67A

 610000

 FFE395

 440000

 FFFFB1

 280001

 FFFFCD

 000000

 FFFFEA

 DE580E

 DE580E

 DE4F00

 DE6624

 DE753A

 DE8351

 DE9167

 DEA07D

 DEAE93

 DEBCA9

 DECAC0

 DED9D6

# Harmonies

## Analogous

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



F73056



DE580E



AF7900

# Triad

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



DE580E



009F6B



427AFF

# Complementary

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



DE580E



0E94DE

# 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.



0091FF



DE580E



00A0B2

# Square

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



DE580E



009920



009DED



BE55DA

# Rectangle

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



DE580E



878800



009DED



0083FF



# Sweetspot

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



DE580E



FFD1B8



DE0E95



806454



000000



808080



# Same Dimension

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



DE580E



FF5B00



DEBF0E



706965



B03F00



301100

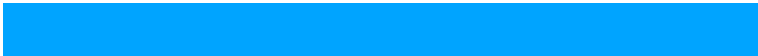


# Inverse Universe

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



0E94DE



00A4FF



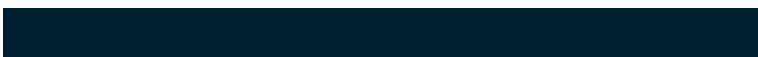
0E2DDE



656C70



0071B0



001F30



# Previews

## White Background



This preview shows how the Hex color DE580E looks on a white background.

## Color Contrast Check

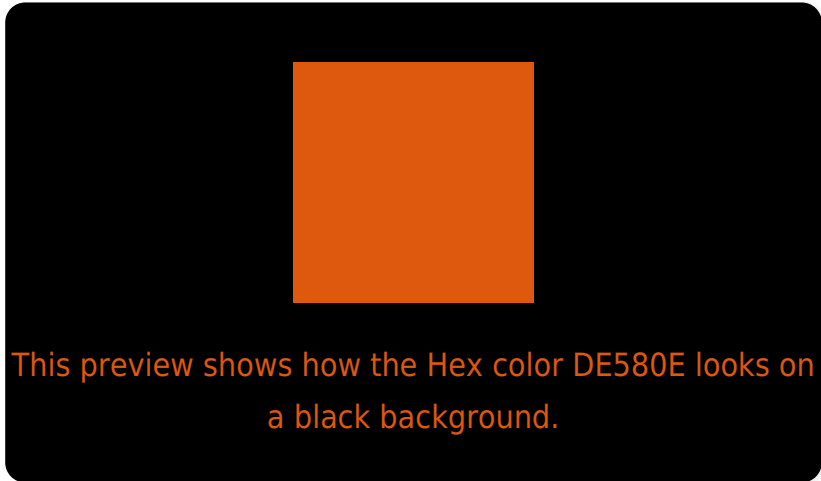
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 DE580E Background



This preview shows how black text looks on a background with the Hex color DE580E.



This preview shows how white text looks on a background with the Hex color DE580E.

# 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**  
DE580E

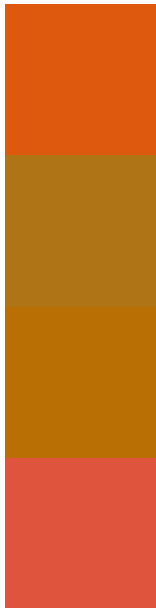
**Protanopia**  
94841B

**Deuteranopia**  
A67C00



**Tritanopia**  
E05257

# Trichromacy



**Original Color**  
DE580E

**Protanomaly**  
AF7416

**Deuteranomaly**  
BA6F05

**Tritanomaly**  
DF543C

# Monochromacy



**Original Color**  
DE580E

**Achromatopsia**  
787878

**Achromatomaly**  
9D6C51

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE580E 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 #DE580E looks like.

```
.text, #text, p{  
    color:#DE580E  
}
```

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 #DE580E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE580E  
}
```

## Border

The CSS property to change the border of an element to Hex DE580E 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  
#DE580E }
```

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

```
.border{ border-color:#DE580E }
```

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

Here you see how a box with a 4 pixel #DE580E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE580E; -webkit-box-shadow:4px 4px  
4px 4px #DE580E; box-shadow:4px 4px 4px  
4px #DE580E }
```

# Background

The CSS property to change the background color of an element to Hex DE580E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE580E }
```

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

```
.background{ background-color:#DE580E }
```

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