

Converting Colors

Hex(DE712D)

Have a look what the booklet for
Hex(DE712D) contains.

Hex(DE712D)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(DE712D)

Conversions

Conversions Part 1

Format	Color
Hex	DE712D
RGB	222, 113, 45
RGB Percent	87%, 44%, 18%
CMY	0.1294, 0.5569, 0.8235
CMYK	0.00, 0.49, 0.80, 0.13
HSL	23°, 73%, 52%
HSV	23°, 80%, 87%
XYZ	36.5030, 27.5293, 5.8724
YIQ	137.8390, 86.7920, 1.9600

Conversions

Conversions Part 2

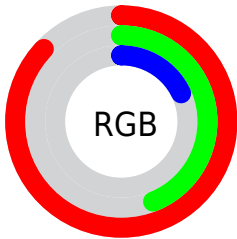
Format	Color
R _{YB}	222, 155, 45
Decimal	14577965
CIE Lab	59.46, 38.18, 54.54
CIE LCh	59, 66.575, 55.009
Yxy	27.5293, 0.5222, 0.3938
Android (android.graphics.Color)	4292768045 (0xFFDE712D)
YUV	137.8390, -45.7696, 73.8092
Hunter-Lab	52.4684, 32.3653, 30.0920

Details

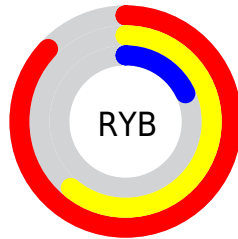
The Hex color **DE712D** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **2D9ADE**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **FFA660**, and **A03E00** is the 20% darker color. If you saturate the color by 10%, you get **DE6317**, and if you desaturate by 10%, it is **DE7F43**.

Distribution



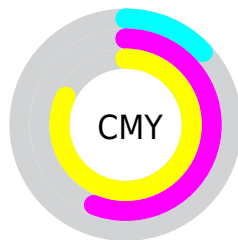
- Red (87%)
- Green (44%)
- Blue (18%)



- Red (87%)
- Yellow (61%)
- Blue (18%)



- Cyan (0%)
- Magenta (49%)
- Yellow (80%)
- Black (13%)



- Cyan (13%)
- Magenta (56%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color DE712D 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 DE712D by changing the saturation by 10% instead.

 DE712D

 DE712D

FFFFFF

 BF5711

 FFA660

 A03E00

 FFC27A

 822500

 FFDE94

 640700

 FFFBB0

 470000

 FFFFCC

 2F0002

 FFFFEE

 000000

 DE712D

 DE712D

 DE6317

 DE7F43

 DE5601

 DE8C59

 DE5500

 DE9A70

 DEA886

 DEB59C

 DEC3B2

 DED1C8

 DEDED F

 DEECF5

Harmonies

Analogous

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



F65961



DE712D



B38900

Triad

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



DE712D



00A983



7A84FA

Complementary

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



DE712D



2D9ADE

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.



0099FF



DE712D



00AABF

Square

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



DE712D



1EA548



00A5EF



CC68D3

Rectangle

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



DE712D



909500



00A5EF



4A8CFF

Sweetspot

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



DE712D



FFD9C2



DE2D9A



80695B



000000



808080

Same Dimension

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



DE712D



FF680A



DEC92D



706965



B04400



301300

Inverse Universe

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



2D9ADE



0AA1FF



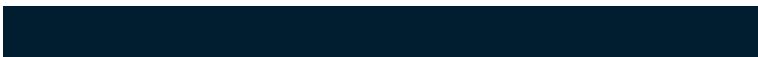
2D42DE



656C70



006CB0



001E30

Previews

White Background



This preview shows how the Hex color DE712D looks on a white background.

Color Contrast Check

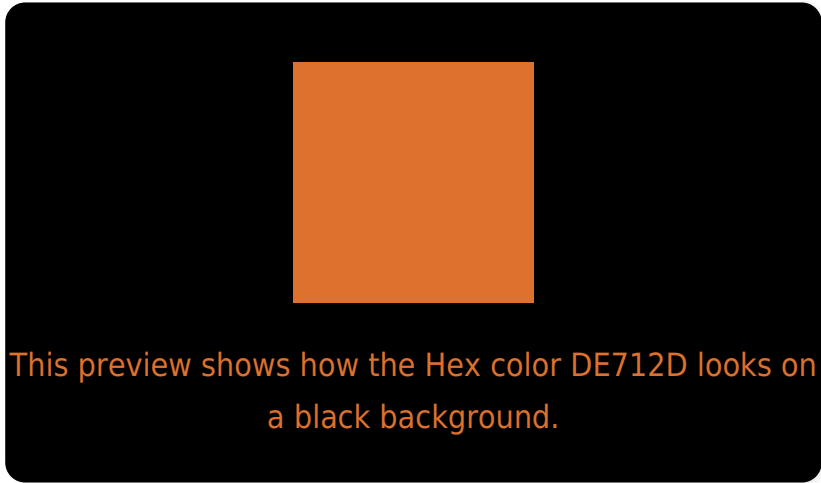
Large Text (above 18pt) WCAG AA ✓ Pass

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

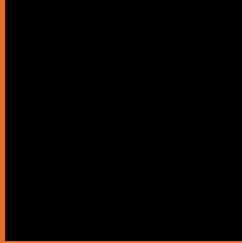
Any Text WCAG AA ✓ Pass

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 DE712D Background



This preview shows how black text looks on a background with the Hex color DE712D.



This preview shows how white text looks on a background with the Hex color DE712D.

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
DE712D

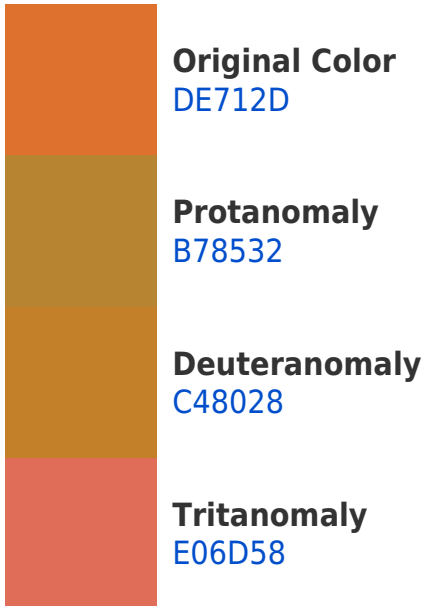
Protanopia
A09035

Deuteranopia
B58825

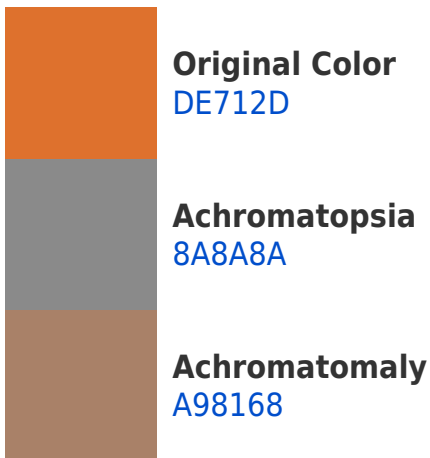


Tritanopia
E16A71

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex DE712D 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 #DE712D looks like.

```
.text, #text, p{  
    color:#DE712D  
}
```

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 #DE712D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE712D
}
```

Border

The CSS property to change the border of an element to Hex DE712D 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
#DE712D }
```

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

```
.border{ border-color:#DE712D }
```

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

Here you see how a box with a 4 pixel #DE712D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE712D; -webkit-box-shadow:4px 4px  
4px 4px #DE712D; box-shadow:4px 4px 4px  
4px #DE712D }
```

Background

The CSS property to change the background color of an element to Hex DE712D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE712D }
```

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

```
.background{ background-color:#DE712D }
```

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