

# Converting Colors

Hex(D87C30)

Have a look what the booklet for  
Hex(D87C30) contains.

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**Color**

**Hex(D87C30)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D87C30
RGB	216, 124, 48
RGB Percent	85%, 49%, 19%
CMY	0.1529, 0.5137, 0.8118
CMYK	0.00, 0.43, 0.78, 0.15
HSL	27°, 68%, 52%
HSV	27°, 78%, 85%
XYZ	36.0601, 29.2276, 6.5372
YIQ	142.8440, 79.2280, -4.1320

# Conversions

## Conversions Part 2

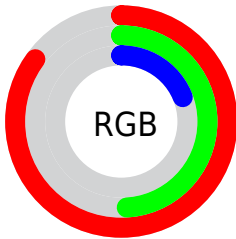
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 187, 48
Decimal	14187568
CIE Lab	60.98, 30.15, 54.41
CIE LCh	61, 62.206, 61.013
Yxy	29.2276, 0.5021, 0.4069
Android (android.graphics.Color)	4292377648 (0xFFD87C30)
YUV	142.8440, -46.7581, 64.1578
Hunter-Lab	54.0626, 24.4510, 30.6745

# Details

The Hex color **D87C30** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **308CD8**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **FFB163**, and **9B4A00** is the 20% darker color. If you saturate the color by 10%, you get **D8701A**, and if you desaturate by 10%, it is **D88846**.

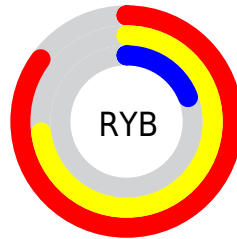
# Distribution



Red (85%)

Green (49%)

Blue (19%)



Red (85%)

Yellow (73%)

Blue (19%)

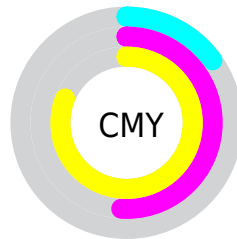


Cyan (0%)

Magenta (43%)

Yellow (78%)

Black (15%)



Cyan (15%)

Magenta (51%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D87C30 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 D87C30 by changing the saturation by 10% instead.



 D87C30

 D87C30

FFFFFF

 B96314

 FFB163

 9B4A00

 FFCD7D

 7E3200

 FFE998

 601A00

 FFFFB4

 440200

 FFFF00

 2C0001

 FFFFEC

 000000

 D87C30

 D87C30

 D8701A

 D88846

 D86405

 D8945B

 D86200

 D89F71

 D8AB86

 D8B79C

 D8C3B2

 D8CFC7

 D8DBDD

 D8E6F2

# Harmonies

## Analogous

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



F2665E



D87C30



AD9112

# Triad

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



D87C30



00AD93



9584F2

# Complementary

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



D87C30



308CD8

# 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



D87C30



00ACCA

# Square

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



D87C30



0BA95B



00A6F3



D76BC9

# Rectangle

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



D87C30



8A9C1E



00A6F3



748CFA



# Sweetspot

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



D87C30



FFDFC4



D8308C



806C5C



000000



808080



# Same Dimension

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



D87C30



FF7D12



D8D030



6B6560



AB4D00



2B1400



# Inverse Universe

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



308CD8



1294FF



3038D8



60666B



005EAB



00182B



# Previews

## White Background



This preview shows how the Hex color D87C30 looks on a white background.

## Color Contrast Check

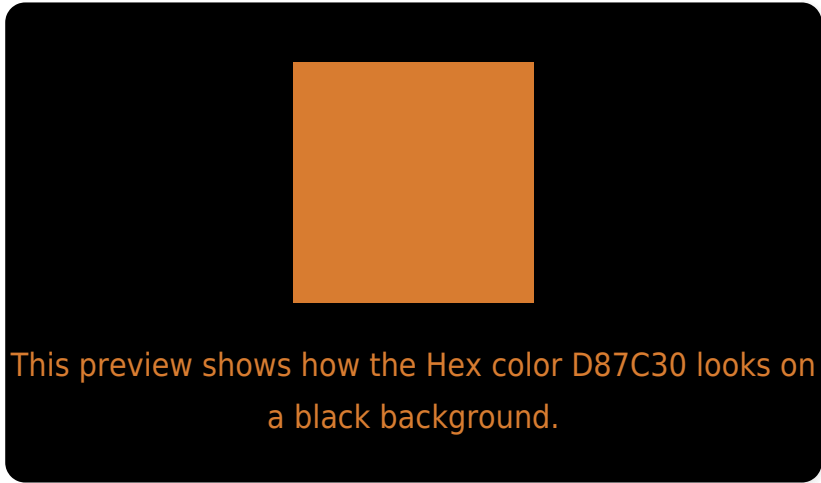
Large Text (above 18pt) WCAG AA ✓ Pass

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 D87C30 Background



This preview shows how black text looks on a background with the Hex color D87C30.



This preview shows how white text looks on a background with the Hex color D87C30.

# 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**  
D87C30

**Protanopia**  
A59436

**Deuteranopia**  
B98C2A



**Tritanopia**  
DC747D

# Trichromacy



**Original Color**  
D87C30

**Protanomaly**  
B88B34

**Deuteranomaly**  
C4862C

**Tritanomaly**  
DB7761

# Monochromacy



**Original Color**  
D87C30

**Achromatopsia**  
8F8F8F

**Achromatomaly**  
AA886C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D87C30 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 #D87C30 looks like.

```
.text, #text, p{  
    color:#D87C30  
}
```

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 #D87C30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D87C30
}
```

## Border

The CSS property to change the border of an element to Hex D87C30 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
#D87C30 }
```

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

```
.border{ border-color:#D87C30 }
```

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

Here you see how a box with a 4 pixel #D87C30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D87C30; -webkit-box-shadow:4px 4px  
4px 4px #D87C30; box-shadow:4px 4px 4px  
4px #D87C30 }
```

# Background

The CSS property to change the background color of an element to Hex D87C30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D87C30 }
```

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

```
.background{ background-color:#D87C30 }
```

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](#).



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