

# Converting Colors

Hex(D87F30)

Have a look what the booklet for  
Hex(D87F30) contains.

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# **Color**

**Hex(D87F30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D87F30
RGB	216, 127, 48
RGB Percent	85%, 50%, 19%
CMY	0.1529, 0.5020, 0.8118
CMYK	0.00, 0.41, 0.78, 0.15
HSL	28°, 68%, 52%
HSV	28°, 78%, 85%
XYZ	36.4418, 29.9911, 6.6645
YIQ	144.6050, 78.4030, -5.7010

# Conversions

## Conversions Part 2

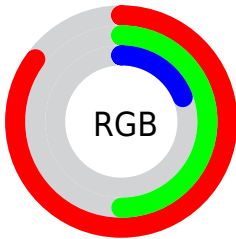
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	216, 197, 48
Decimal	14188336
CIE Lab	61.65, 28.55, 55.05
CIE LCh	62, 62.018, 62.586
Yxy	29.9911, 0.4985, 0.4103
Android (android.graphics.Color)	4292378416 (0xFFD87F30)
YUV	144.6050, -47.6263, 62.6134
Hunter-Lab	54.7641, 22.9424, 31.1196

# Details

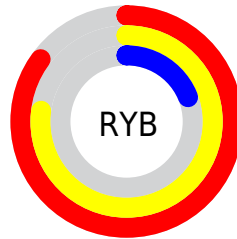
The Hex color **D87F30** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **3089D8**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **FFB463**, and **9B4D00** is the 20% darker color. If you saturate the color by 10%, you get **D8741A**, and if you desaturate by 10%, it is **D88A46**.

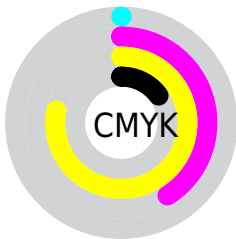
# Distribution



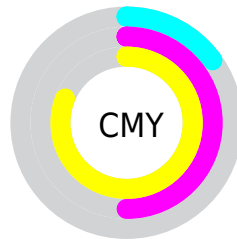
- Red (85%)
- Green (50%)
- Blue (19%)



- Red (85%)
- Yellow (77%)
- Blue (19%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (15%)



- Cyan (15%)
- Magenta (50%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D87F30 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 D87F30 by changing the saturation by 10% instead.



 D87F30

 D87F30

FFFFFF

 B96614

 FFB463

 9B4D00

 FFD07E

 7E3500

 FFEC99

 611E00

 FFFFB4

 440500

 FFFF00

 2C0000

 FFFFED

 000000

 D87F30

 D87F30

 D8741A

 D88A46

 D86805

 D8965B

 D86600

 D8A171

 D8AD86

 D8B89C

 D8C4B2

 D8CFC7

 D8DBDD

 D8E6F2

# Harmonies

## Analogous

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



F3695D



D87F30



AC9416

# Triad

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



D87F30



00AF98



9C84F2

# Complementary

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



D87F30



3089D8

# 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.



009AFF



D87F30



00AECF

# Square

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



D87F30



00AB60



00A8F6



DB6CC8

# Rectangle

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



D87F30



899E22



00A8F6



7C8CFB



# Sweetspot

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



D87F30



FFE0C4



D8308A



806D5C



000000



808080



# Same Dimension

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



D87F30



FF8112



D8D230



6B6560



AB5000



2B1400



# Inverse Universe

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



3089D8



128FFF



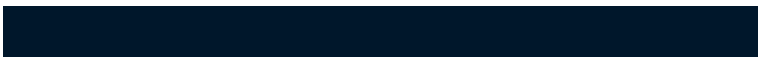
3036D8



60666B



005BAB



00172B



# Previews

## White Background



This preview shows how the Hex color D87F30 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

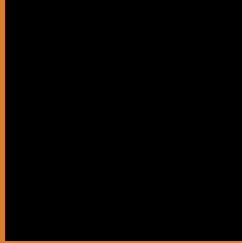
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex D87F30 Background



This preview shows how black text looks on a background with the Hex color D87F30.



This preview shows how white text looks on a background with the Hex color D87F30.

# 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**  
D87F30

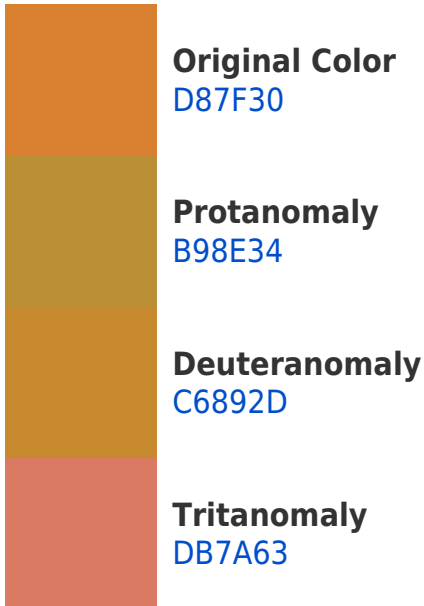
**Protanopia**  
A79636

**Deuteranopia**  
BB8E2B

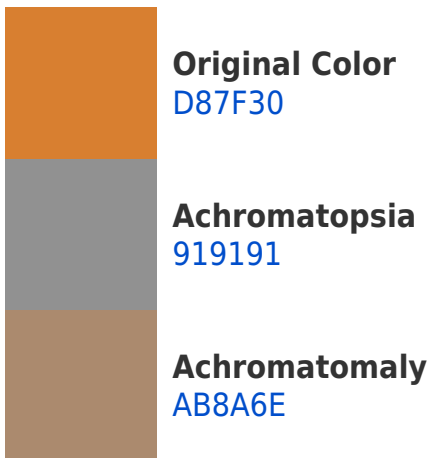


**Tritanopia**  
DC7780

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D87F30 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 #D87F30 looks like.

```
.text, #text, p{  
    color:#D87F30  
}
```

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 #D87F30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D87F30
}
```

## Border

The CSS property to change the border of an element to Hex D87F30 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
#D87F30 }
```

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

```
.border{ border-color:#D87F30 }
```

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

Here you see how a box with a 4 pixel #D87F30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D87F30; -webkit-box-shadow:4px 4px  
4px 4px #D87F30; box-shadow:4px 4px 4px  
4px #D87F30 }
```

# Background

The CSS property to change the background color of an element to Hex D87F30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D87F30 }
```

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

```
.background{ background-color:#D87F30 }
```

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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