

# Converting Colors

Hex(FD7C21)

Have a look what the booklet for  
Hex(FD7C21) contains.

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# **Color**

**Hex(FD7C21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD7C21
RGB	253, 124, 33
RGB Percent	99%, 49%, 13%
CMY	0.0078, 0.5137, 0.8706
CMYK	0.00, 0.51, 0.87, 0.01
HSL	25°, 98%, 56%
HSV	25°, 87%, 99%
XYZ	47.9902, 35.4078, 5.7439
YIQ	152.1970, 106.0950, -0.9530

# Conversions

## Conversions Part 2

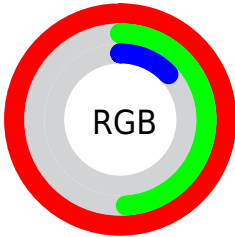
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 188, 33
Decimal	16612385
CIE Lab	66.06, 44.42, 66.48
CIE LCh	66, 79.955, 56.253
Yxy	35.4078, 0.5384, 0.3972
Android (android.graphics.Color)	4294802465 (0xFFFD7C21)
YUV	152.1970, -58.7641, 88.4042
Hunter-Lab	59.5044, 39.8271, 35.9299

# Details

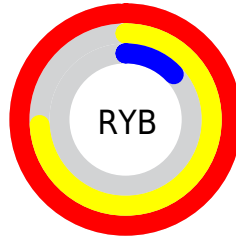
The Hex color **FD7C21** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **21A2FD**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **FFB358**, and **BD4800** is the 20% darker color. If you saturate the color by 10%, you get **FD6D08**, and if you desaturate by 10%, it is **FD8B3A**.

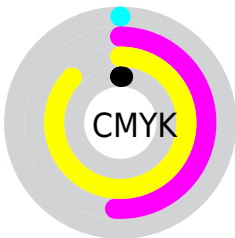
# Distribution



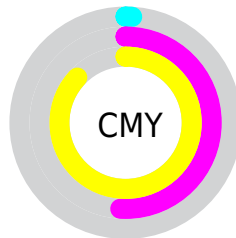
- Red (99%)
- Green (49%)
- Blue (13%)



- Red (99%)
- Yellow (74%)
- Blue (13%)



- Cyan (0%)
- Magenta (51%)
- Yellow (87%)
- Black (1%)



- Cyan (1%)
- Magenta (51%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FD7C21 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 FD7C21 by changing the saturation by 10% instead.



 FD7C21

 FD7C21

FFFFFF

 DD6200

 FFB358

 BD4800

 FFCF73

 9E2D00

 FFE88E

 7E0F00

 FFFF8A

 600000

 FFFFC6

 430000

 FFFF8E

 290001

 000000

 FD7C21

 FD7C21

■ FD6D08

■ FD8B3A

■ FD6900

■ FD9A54

■ FDA96D

■ FDB786

■ FDC69F

■ FDD5B9

■ FDE4D2

■ FDF3EB

FDFFFF

# Harmonies

## Analogous

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



FF5B66



FD7C21



C89A00

# Triad

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



FD7C21



00C095



8991FF

# Complementary

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



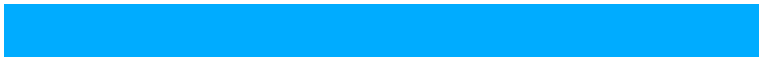
FD7C21



21A2FD

# 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.



00ACFF



FD7C21



00CODE

# Square

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



FD7C21



00BB4A



00BBFF



ED6DF1

# Rectangle

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



FD7C21



9CA900



00BBFF



469CFF



# Sweetspot

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



FD7C21



FFD8BD



FD21A5



806858



000000



808080



# Same Dimension

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



FD7C21



FF6900



FDE721



807873



BF4F00



401A00



# Inverse Universe

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



21A2FD



0096FF



2137FD



737A80



0070BF



002540



# Previews

## White Background



This preview shows how the Hex color FD7C21 looks on a white background.

## Color Contrast Check

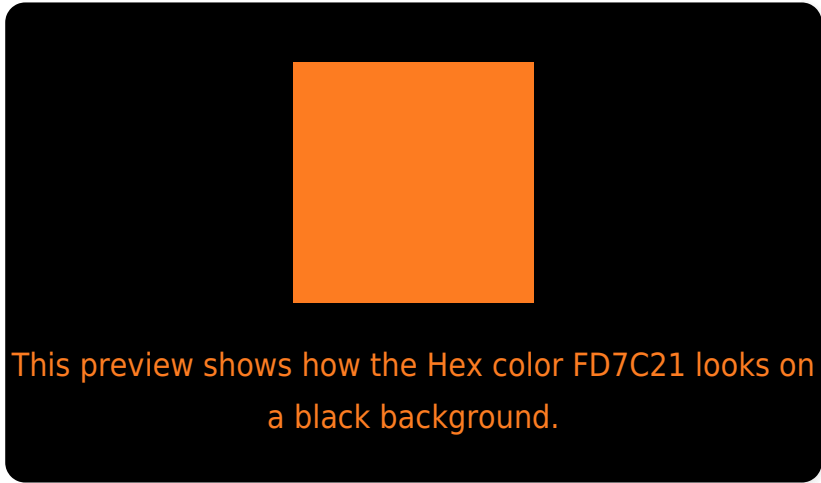
Large Text (above 18pt) WCAG AA × Fail

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 FD7C21 Background



This preview shows how black text looks on a background with the Hex color FD7C21.



This preview shows how white text looks on a background with the Hex color FD7C21.

# 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**  
FD7C21

**Protanopia**  
B5A12B

**Deuteranopia**  
CC9909



**Tritanopia**  
FF757C

# Trichromacy



**Original Color**  
FD7C21

**Protanomaly**  
CF9427

**Deuteranomaly**  
DE8E12

**Tritanomaly**  
FE785B

# Monochromacy



**Original Color**  
FD7C21

**Achromatopsia**  
989898

**Achromatomaly**  
BD8E6D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FD7C21 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 #FD7C21 looks like.

```
.text, #text, p{  
    color:#FD7C21  
}
```

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 #FD7C21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FD7C21
}
```

## Border

The CSS property to change the border of an element to Hex FD7C21 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
#FD7C21 }
```

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

```
.border{ border-color:#FD7C21 }
```

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

Here you see how a box with a 4 pixel #FD7C21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FD7C21; -webkit-box-shadow:4px 4px  
4px 4px #FD7C21; box-shadow:4px 4px 4px  
4px #FD7C21 }
```

# Background

The CSS property to change the background color of an element to Hex FD7C21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FD7C21 }
```

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

```
.background{ background-color:#FD7C21 }
```

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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