

# Converting Colors

Hex(78CF21)

Have a look what the booklet for  
Hex(78CF21) contains.

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**Color**

**Hex(78CF21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78CF21
RGB	120, 207, 33
RGB Percent	47%, 81%, 13%
CMY	0.5294, 0.1882, 0.8706
CMYK	0.42, 0.00, 0.84, 0.19
HSL	90°, 72%, 47%
HSV	90°, 84%, 81%
XYZ	30.3331, 48.7285, 9.2457
YIQ	161.1510, 4.0020, -72.5580

# Conversions

## Conversions Part 2

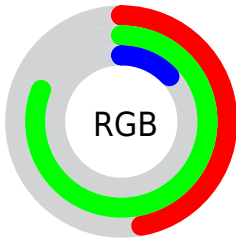
Format	Color
<b>RYB</b>	33, 207, 120
Decimal	7917345
CIELab	75.28, -51.77, 69.48
CIElCh	75, 86.643, 126.691
Yxy	48.7285, 0.3435, 0.5518
Android (android.graphics.Color)	4286107425 (0xFF78CF21)
YUV	161.1510, -63.1784, -36.0894
Hunter-Lab	69.8058, -44.5957, 41.0112

# Details

The Hex color **78CF21** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **7821CF**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **B3FF60**, and **3B9800** is the 20% darker color. If you saturate the color by 10%, you get **6ECF0C**, and if you desaturate by 10%, it is **82CF36**.

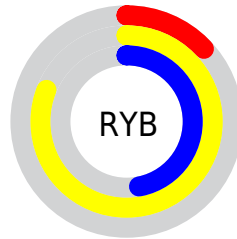
# Distribution



Red (47%)

Green (81%)

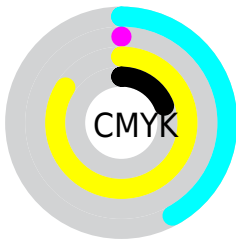
Blue (13%)



Red (13%)

Yellow (81%)

Blue (47%)

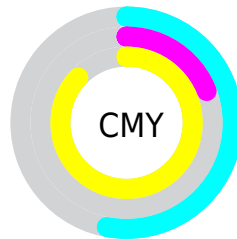


Cyan (42%)

Magenta (0%)

Yellow (84%)

Black (19%)



Cyan (53%)

Magenta (19%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78CF21 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 78CF21 by changing the saturation by 10% instead.



 78CF21

 78CF21

FFFFFF

 5AB300

 B3FF60

 3B9800

 D0FF7C

 137D00

 EEFF99

 006400

 FFFFB5

 004B00

 FFFF D2

 003300

 FFFFF0

 001B00

 000000

 78CF21

 78CF21

 6ECF0C

 82CF36

 68CF00

 8DCF4A

 97CF5F

 A1CF74

 ACCF88

 B6CF9D

 C0CFB2

 CBCFC7

 D5CFDB

# Harmonies

## Analogous

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



CEBC00



78CF21



00D976

# Triad

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



78CF21



00D2FF



FF61AB

# Complementary

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



78CF21



7821CF

# 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.



FF74FA



78CF21



00BDFE

# Square

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



78CF21



00DCFF



D09BFF



FF795E

# Rectangle

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



78CF21



00DDAE



D09BFF



FF63C6

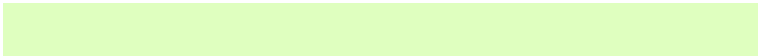


# Sweetspot

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



78CF21



DFFFBF



CF7821



6C8059



000000



808080



# Same Dimension

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



78CF21



80FF00



21CF21



63695E



54A800



142900



# Inverse Universe

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



7821CF



8000FF



CF21CF



635E69



5400A8



140029



# Previews

## White Background



This preview shows how the Hex color 78CF21 looks on a white background.

## Color Contrast Check

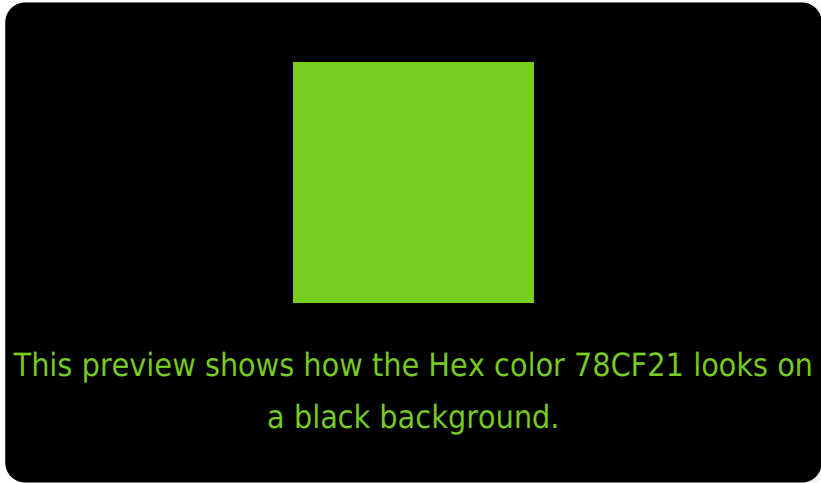
Large Text (above 18pt) WCAG AA × Fail

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 78CF21 Background



This preview shows how black text looks on a background with the Hex color 78CF21.

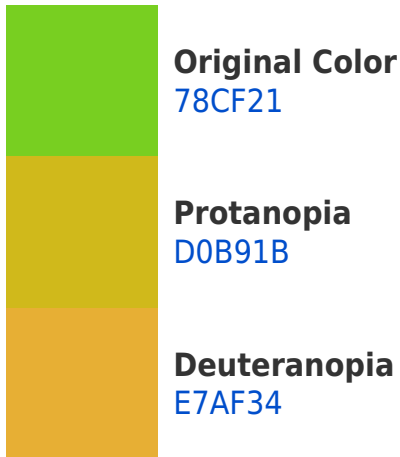


This preview shows how white text looks on a background with the Hex color 78CF21.

# 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





**Tritanopia**  
90C1D0

# Trichromacy



**Original Color**  
78CF21



**Protanomaly**  
B0C11D



**Deuteranomaly**  
BFBB2D

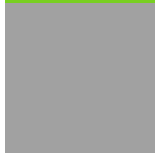


**Tritanomaly**  
87C690

# Monochromacy



**Original Color**  
78CF21



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
92B272

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78CF21 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 #78CF21 looks like.

```
.text, #text, p{  
    color:#78CF21  
}
```

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 #78CF21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78CF21
}
```

## Border

The CSS property to change the border of an element to Hex 78CF21 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
#78CF21 }
```

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

```
.border{ border-color:#78CF21 }
```

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

Here you see how a box with a 4 pixel #78CF21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78CF21; -webkit-box-shadow:4px 4px  
4px 4px #78CF21; box-shadow:4px 4px 4px  
4px #78CF21 }
```

# Background

The CSS property to change the background color of an element to Hex 78CF21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78CF21 }
```

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

```
.background{ background-color:#78CF21 }
```

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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