

# Converting Colors

Hex(7DC238)

Have a look what the booklet for  
Hex(7DC238) contains.

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**Color**

**Hex(7DC238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7DC238
RGB	125, 194, 56
RGB Percent	49%, 76%, 22%
CMY	0.5098, 0.2392, 0.7804
CMYK	0.36, 0.00, 0.71, 0.24
HSL	90°, 55%, 49%
HSV	90°, 71%, 76%
XYZ	28.4630, 43.2291, 10.5853
YIQ	157.6370, 3.1740, -57.5460

# Conversions

## Conversions Part 2

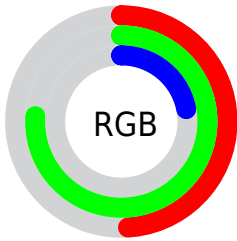
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 194, 125
Decimal	8241720
CIELab	71.71, -43.54, 59.26
CIElCh	72, 73.540, 126.308
Yxy	43.2291, 0.3459, 0.5254
Android (android.graphics.Color)	4286431800 (0xFF7DC238)
YUV	157.6370, -50.1070, -28.6226
Hunter-Lab	65.7488, -37.7868, 36.4787

# Details

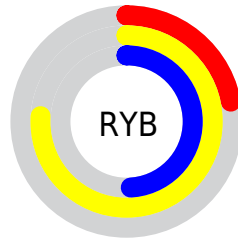
The Hex color **7DC238** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7D38C2**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **B6FB6F**, and **448C00** is the 20% darker color. If you saturate the color by 10%, you get **73C225**, and if you desaturate by 10%, it is **87C24B**.

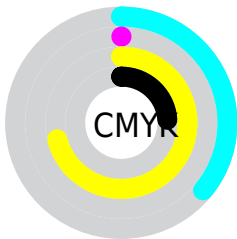
# Distribution



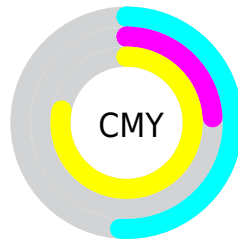
- Red (49%)
- Green (76%)
- Blue (22%)



- Red (22%)
- Yellow (76%)
- Blue (49%)



- Cyan (36%)
- Magenta (0%)
- Yellow (71%)
- Black (24%)



- Cyan (51%)
- Magenta (24%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7DC238 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 7DC238 by changing the saturation by 10% instead.



 7DC238

 7DC238

FFFFFF

 61A718

 B6FB6F

 448C00

 D3FF8A

 267200

 F1FFA6

 005900

 FFFFC3

 004000

 FFFFDF

 002B00

FFFFFFD

 000C00

 000000

 7DC238

 7DC238

 73C225

 87C24B

 6AC211

 90C25F

 61C200

 9AC272

 A4C286

 ADC299

 B7C2AC

 C1C2C0

 CBC2D3

 D4C2E7

# Harmonies

## Analogous

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



C4B106



7DC238



00CB77

# Triad

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



7DC238



00C5FF



FF6CA4

# Complementary

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



7DC238



7D38C2

# 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.



FF7AE7



7DC238



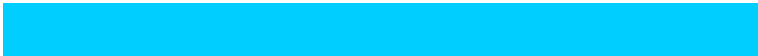
00B3FF

# Square

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



7DC238



00CEFE



C497FF



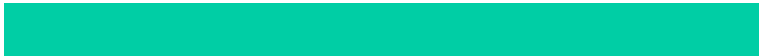
FF7C64

# Rectangle

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



7DC238



00CEA5



C497FF



FF6EBB

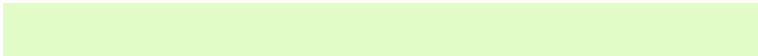


# Sweetspot

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



7DC238



E2FCC7



C27D38



708060



000000



808080



# Same Dimension

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



7DC238



91FC26



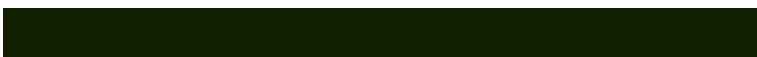
38C238



5C6157



50A100



112100



# Inverse Universe

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



7D38C2



9126FC



C238C2



5C5761



5000A1



110021



# Previews

## White Background



This preview shows how the Hex color 7DC238 looks on a white background.

## Color Contrast Check

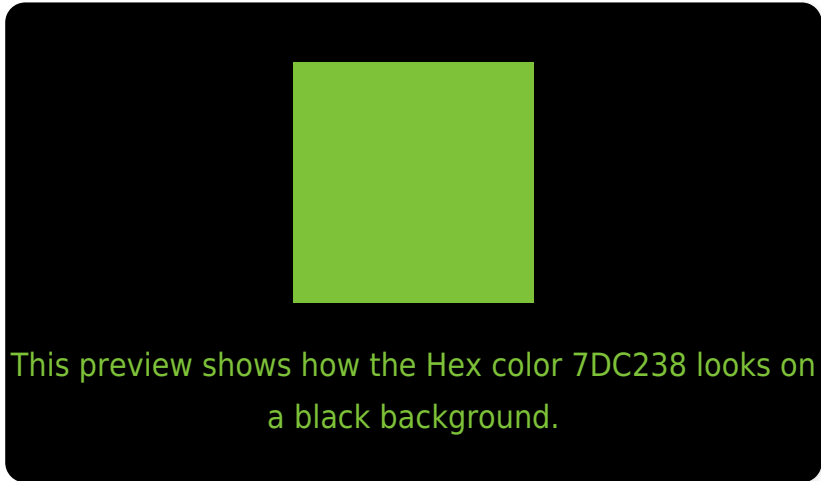
Large Text (above 18pt) WCAG AA × Fail

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 7DC238 Background



This preview shows how black text looks on a background with the Hex color 7DC238.

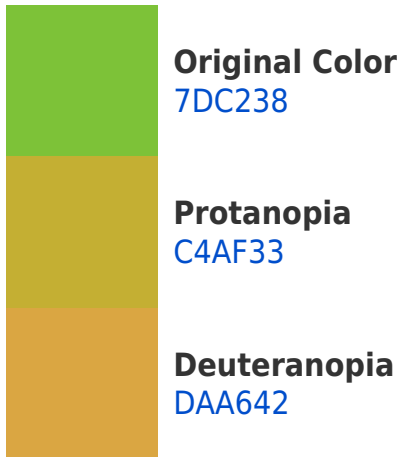


This preview shows how white text looks on a background with the Hex color 7DC238.

# 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](#).

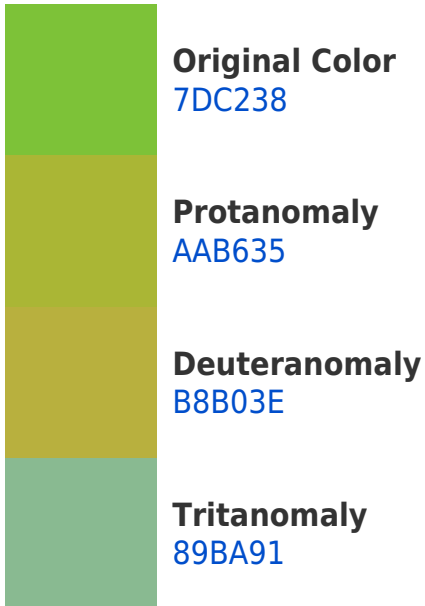
## Dichromacy



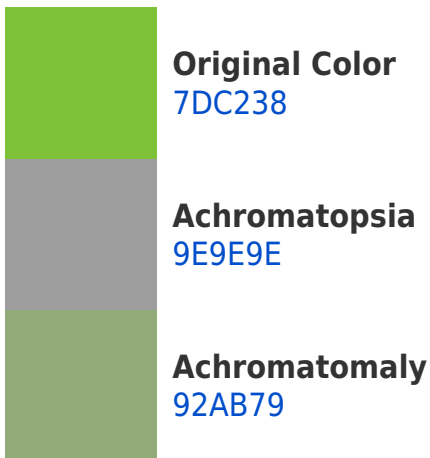


**Tritanopia**  
90B5C4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7DC238 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 #7DC238 looks like.

```
.text, #text, p{  
    color:#7DC238  
}
```

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 #7DC238 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7DC238
}
```

## Border

The CSS property to change the border of an element to Hex 7DC238 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
#7DC238 }
```

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

```
.border{ border-color:#7DC238 }
```

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

Here you see how a box with a 4 pixel #7DC238 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7DC238; -webkit-box-shadow:4px 4px  
4px 4px #7DC238; box-shadow:4px 4px 4px  
4px #7DC238 }
```

# Background

The CSS property to change the background color of an element to Hex 7DC238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7DC238 }
```

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

```
.background{ background-color:#7DC238 }
```

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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