

Converting Colors

Hex(7BE428)

Have a look what the booklet for
Hex(7BE428) contains.

Hex(7BE428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(7BE428)

Conversions

Conversions Part 1

Format	Color
Hex	7BE428
RGB	123, 228, 40
RGB Percent	48%, 89%, 16%
CMY	0.5176, 0.1059, 0.8431
CMYK	0.46, 0.00, 0.82, 0.11
HSL	94°, 78%, 53%
HSV	94°, 82%, 89%
XYZ	36.2948, 59.8510, 11.6469
YIQ	175.1730, -2.2320, -80.7280

Conversions

Conversions Part 2

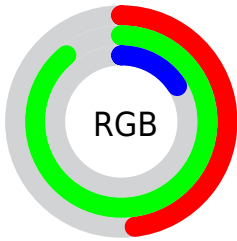
Format	Color
RYB	40, 228, 145
Decimal	8119336
CIELab	81.76, -58.62, 73.61
CIElCh	82, 94.097, 128.533
Yxy	59.8510, 0.3367, 0.5552
Android (android.graphics.Color)	4286309416 (0xFF7BE428)
YUV	175.1730, -66.6403, -45.7557
Hunter-Lab	77.3634, -51.6433, 45.2284

Details

The Hex color **7BE428** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **9128E4**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **B7FF67**, and **3BAC00** is the 20% darker color. If you saturate the color by 10%, you get **6EE411**, and if you desaturate by 10%, it is **88E43F**.

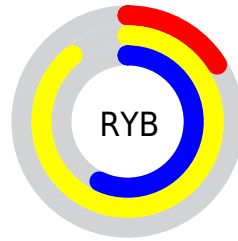
Distribution



Red (48%)

Green (89%)

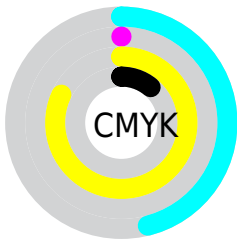
Blue (16%)



Red (16%)

Yellow (89%)

Blue (57%)

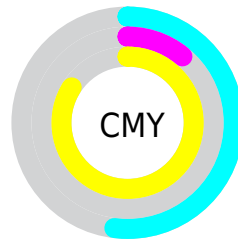


Cyan (46%)

Magenta (0%)

Yellow (82%)

Black (11%)



Cyan (52%)

Magenta (11%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 7BE428 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 7BE428 by changing the saturation by 10% instead.

 7BE428

 7BE428

FFFFFF

 5CC700

 B7FF67

 3BAC00

 D5FF84

 059000

 F4FFA1

 007600

 FFFFBE

 005C00

 FFFFDB

 004300

 FFFFF9

 002C00

 000C00

 000000

 7BE428

 7BE428

 6EE411

 88E43F

 65E400

 94E456

 A1E46C

 AEE483

 BBE49A

 C7E4B1

 D4E4C8

 E1E4DE

 EEE4F5

Harmonies

Analogous

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



DCCF00



7BE428



00EF87

Triad

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



7BE428



00E6FF



FF69B6

Complementary

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



7BE428



9128E4

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.



FF7BFF



7BE428



00CEFF

Square

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



7BE428



00F1FF



ECA7FF



FF8661

Rectangle

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



7BE428



00F2C4



ECA7FF



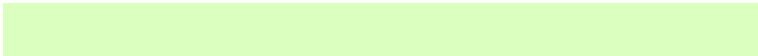
FF69D3

Sweetspot

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



7BE428



DBFFBF



E48F28



6A8059



000000



808080

Same Dimension

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



7BE428



72FF03



28E431



6C7367



4FB300



173300

Inverse Universe

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



9128E4



9003FF



E428DB



6E6773



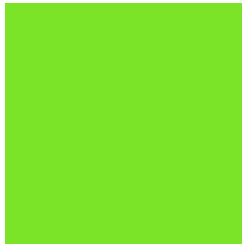
6400B3



1C0033

Previews

White Background



This preview shows how the Hex color 7BE428 looks on a white background.

Color Contrast Check

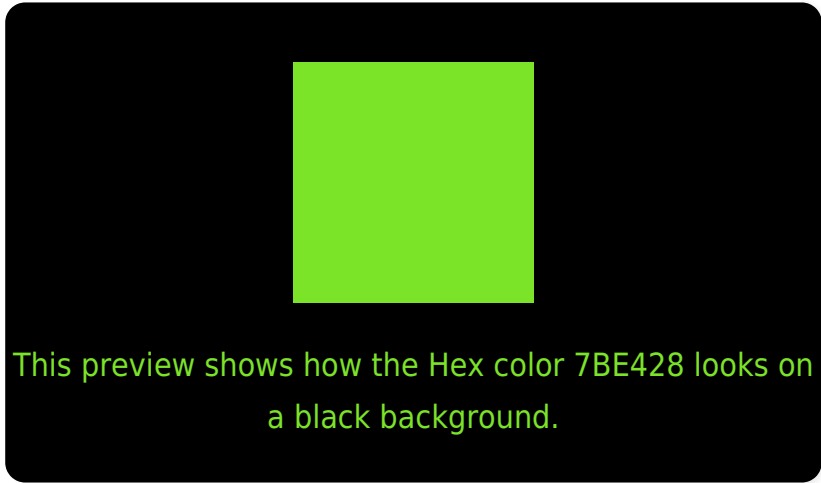
Large Text (above 18pt) WCAG AA × Fail

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 7BE428 Background



This preview shows how black text looks on a background with the Hex color 7BE428.

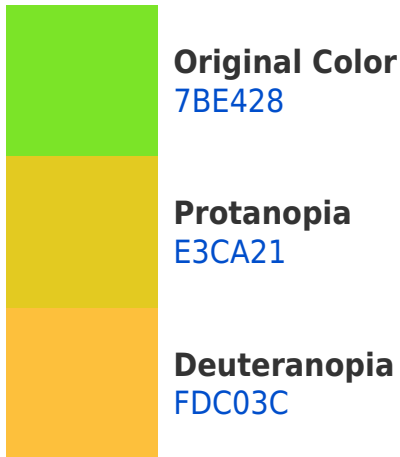


This preview shows how white text looks on a background with the Hex color 7BE428.

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
97D4E5

Trichromacy



Original Color
7BE428



Protanomaly
BDD324



Deuteranomaly
CECD35



Tritanomaly
8DDAA0

Monochromacy



Original Color
7BE428



Achromatopsia
AFAFAF



Achromatomaly
9CC27E

CSS Examples

Text

The CSS property to change the color of the text to Hex 7BE428 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 #7BE428 looks like.

```
.text, #text, p{  
    color:#7BE428  
}
```

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 #7BE428 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BE428
}
```

Border

The CSS property to change the border of an element to Hex 7BE428 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
#7BE428 }
```

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

```
.border{ border-color:#7BE428 }
```

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

Here you see how a box with a 4 pixel #7BE428 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BE428; -webkit-box-shadow:4px 4px  
4px 4px #7BE428; box-shadow:4px 4px 4px  
4px #7BE428 }
```

Background

The CSS property to change the background color of an element to Hex 7BE428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BE428 }
```

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

```
.background{ background-color:#7BE428 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor