

Converting Colors

Hex(B7D22E)

Have a look what the booklet for
Hex(B7D22E) contains.

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Color

Hex(**B7D22E**)

Conversions

Conversions Part 1

Format	Color
Hex	B7D22E
RGB	183, 210, 46
RGB Percent	72%, 82%, 18%
CMY	0.2824, 0.1765, 0.8196
CMYK	0.13, 0.00, 0.78, 0.18
HSL	70°, 65%, 50%
HSV	70°, 78%, 82%
XYZ	43.0682, 56.3577, 11.1930
YIQ	183.2310, 36.5520, -56.7280

Conversions

Conversions Part 2

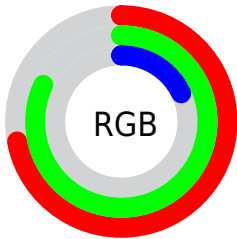
Format	Color
RYB	46, 210, 73
Decimal	12046894
CIELab	79.82, -28.96, 71.51
CIELCh	80, 77.155, 112.049
Yxy	56.3577, 0.3893, 0.5095
Android (android.graphics.Color)	4290236974 (0xFFB7D22E)
YUV	183.2310, -67.6549, -0.2026
Hunter-Lab	75.0718, -28.9714, 43.7103

Details

The Hex color **B7D22E** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle washed chartreuse. A complement of this color would be **492ED2**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **F2FF6A**, and **7E9C00** is the 20% darker color. If you saturate the color by 10%, you get **B4D219**, and if you desaturate by 10%, it is **BAD243**.

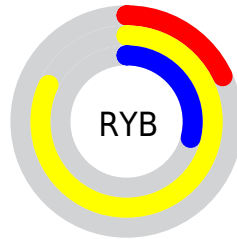
Distribution



Red (72%)

Green (82%)

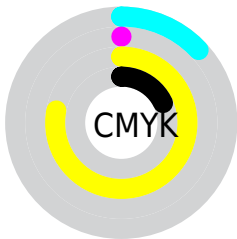
Blue (18%)



Red (18%)

Yellow (82%)

Blue (29%)

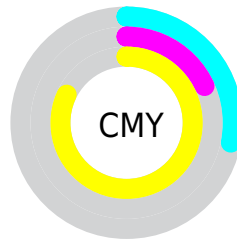


Cyan (13%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (28%)

Magenta (18%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color B7D22E 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 B7D22E by changing the saturation by 10% instead.

 B7D22E

 B7D22E

FFFFFF

 9AB600

 F2FF6A

 7E9C00

 FFFF86

 628100

 FFFFA3

 476800

 FFFFBF

 2A5000

 FFFFDD

 0B3900

 FFFFFA

 002400

 000000

 B7D22E

 B7D22E

 B4D219

 BAD243

 B0D204

 BED258

 AFD200

 C1D26D

 C5D282

 C8D297

 CCD2AC

 CFD2C1

 D3D2D6

 D6D2EB

Harmonies

Analogous

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



FABC24



B7D22E



59E068

Triad

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



B7D22E



00E2FF



FF82DC

Complementary

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



B7D22E



492ED2

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.



FF9BFF



B7D22E



00D4FF

Square

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



B7D22E



00E8FA



A2BBFF



FF8594

Rectangle

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



B7D22E



00E597



A2BBFF



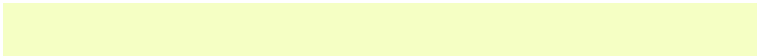
FF88F4

Sweetspot

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



B7D22E



F5FFC4



D2472E



7A805C



000000



808080

Same Dimension

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



B7D22E



D8FF0F



67D22E



67695E



8DA800



222900

Inverse Universe

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



492ED2



370FFF



992ED2



605E69



1C00A8



070029

Previews

White Background



This preview shows how the Hex color B7D22E looks on a white background.

Color Contrast Check

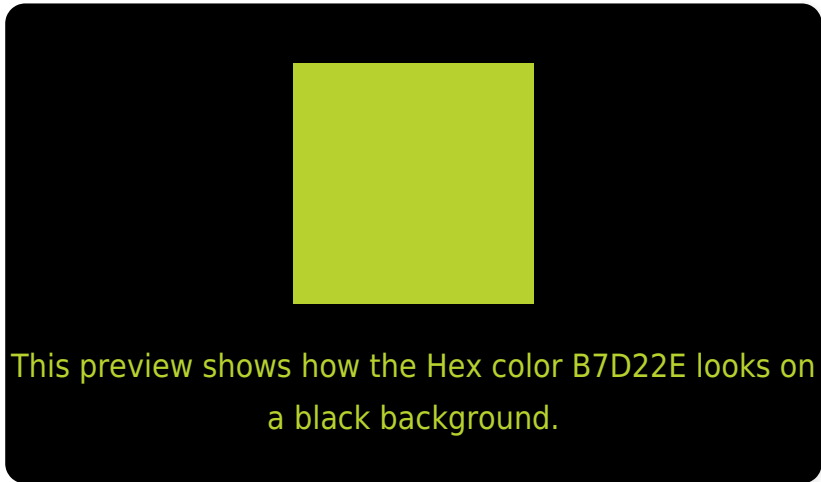
Large Text (above 18pt) WCAG AA × Fail

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 B7D22E Background



This preview shows how black text looks on a background with the Hex color B7D22E.

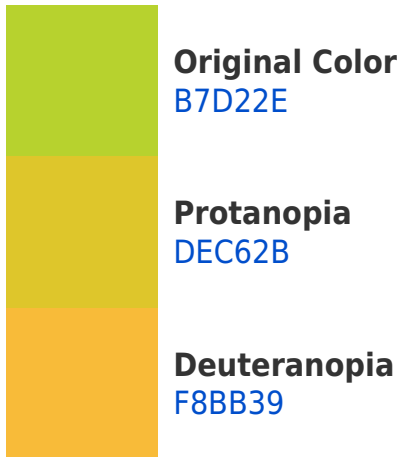


This preview shows how white text looks on a background with the Hex color B7D22E.

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
C7C4D3

Trichromacy



Original Color
B7D22E

Protanomaly
D0CA2C

Deuteranomaly
E0C335

Tritanomaly
C1C997

Monochromacy



Original Color
B7D22E

Achromatopsia
B7B7B7

Achromatomaly
B7C185

CSS Examples

Text

The CSS property to change the color of the text to Hex B7D22E 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 #B7D22E looks like.

```
.text, #text, p{  
    color:#B7D22E  
}
```

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 #B7D22E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7D22E
}
```

Border

The CSS property to change the border of an element to Hex B7D22E 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
#B7D22E }
```

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

```
.border{ border-color:#B7D22E }
```

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

Here you see how a box with a 4 pixel #B7D22E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7D22E; -webkit-box-shadow:4px 4px  
4px 4px #B7D22E; box-shadow:4px 4px 4px  
4px #B7D22E }
```

Background

The CSS property to change the background color of an element to Hex B7D22E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7D22E }
```

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

```
.background{ background-color:#B7D22E }
```

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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