

# Converting Colors

Hex(B1DC30)

Have a look what the booklet for  
Hex(B1DC30) contains.

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**Color**

**Hex(B1DC30)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B1DC30                      |
| RGB         | 177, 220, 48                |
| RGB Percent | 69%, 86%, 19%               |
| CMY         | 0.3059, 0.1373, 0.8118      |
| CMYK        | 0.20, 0.00, 0.78, 0.14      |
| HSL         | 75°, 71%, 53%               |
| HSV         | 75°, 78%, 86%               |
| XYZ         | 44.2582, 60.7469, 12.1890   |
| YIQ         | 187.5350, 29.5840, -62.6080 |

# Conversions

## Conversions Part 2

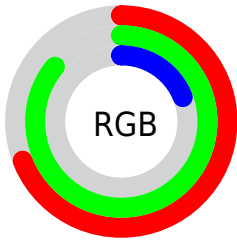
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">48, 220, 91</a>                     |
| Decimal                             | <a href="#">11656240</a>                        |
| CIELab                              | <a href="#">82.24, -35.91, 72.99</a>            |
| CIELCh                              | <a href="#">82, 81.350, 116.198</a>             |
| Yxy                                 | <a href="#">60.7469, 0.3776,<br/>0.5183</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4289846320<br/>(0xFFB1DC30)</a>     |
| YUV                                 | <a href="#">187.5350, -68.7908,<br/>-9.2392</a> |
| Hunter-Lab                          | <a href="#">77.9403, -35.0349,<br/>45.2859</a>  |

# Details

The Hex color **B1DC30** is a light color, and the websafe version is hex **99CC00**. The color can be described as light muted chartreuse. A complement of this color would be **5B30DC**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **ECFF6D**, and **78A500** is the 20% darker color. If you saturate the color by 10%, you get **ACDC1A**, and if you desaturate by 10%, it is **B7DC46**.

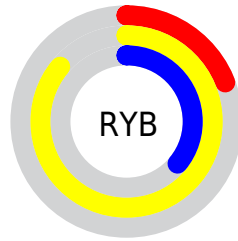
# Distribution



Red (69%)

Green (86%)

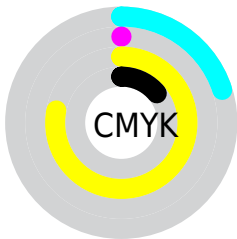
Blue (19%)



Red (19%)

Yellow (86%)

Blue (36%)

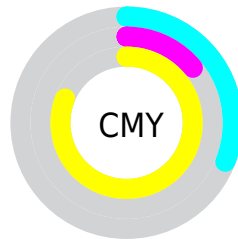


Cyan (20%)

Magenta (0%)

Yellow (78%)

Black (14%)



Cyan (31%)

Magenta (14%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B1DC30 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 B1DC30 by changing the saturation by 10% instead.



 B1DC30

 B1DC30

FFFFFF

 94C000

 ECFF6D

 78A500


 FFFF89

 5B8A00

 FFFFA6

 407100

 FFFFC3


 215800

 FFFFEO

 004000

FFFFFFE

 002A00

 000F00

 000000

 B1DC30

 B1DC30

 ACDC1A

 B7DC46

 A6DC04

 BCDC5C

 A5DC00

 C2DC72

 C7DC88

 CDDC9E

 D2DCB4

 D8DCCA

 DDDCE0

 E3DCF6

# Harmonies

## Analogous

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



FBC616



B1DC30



3DE973

# Triad

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



B1DC30



00E9FF



FF82DA

# Complementary

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



B1DC30



5B30DC

# 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.



FF9AFF



B1DC30



00D8FF

# Square

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



B1DC30



00FFFF



BABCFF



FF898E

# Rectangle

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



B1DC30



00EEA5



BABCFF



FF87F3

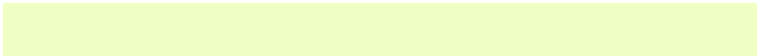


# Sweetspot

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



B1DC30



F0FFC4



DC5B30



77805C



000000



808080



# Same Dimension

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



B1DC30



C3FF0F



5BDC30



6B6E63



82AD00



222E00



# Inverse Universe

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



5B30DC



4B0FFF



B130DC



65636E



2B00AD



0B002E



# Previews

## White Background



This preview shows how the Hex color B1DC30 looks on a white background.

## Color Contrast Check

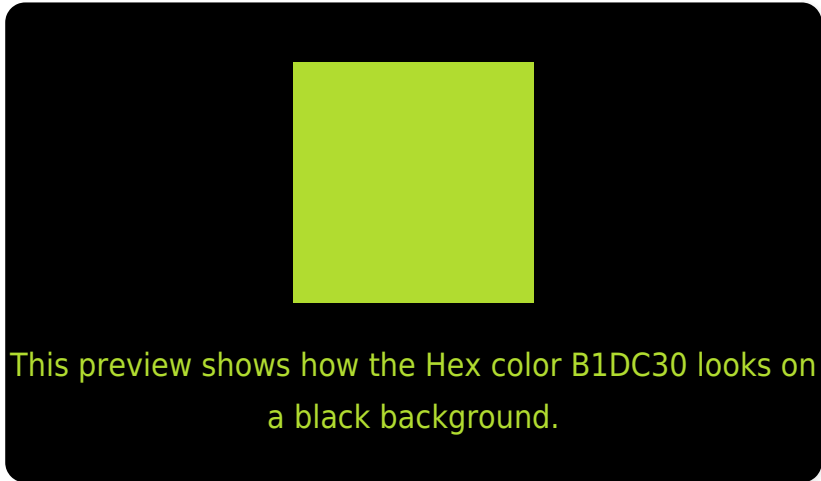
Large Text (above 18pt) WCAG AA × Fail

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 B1DC30 Background



This preview shows how black text looks on a background with the Hex color B1DC30.

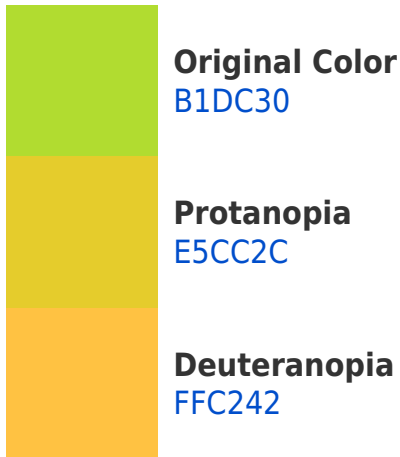


This preview shows how white text looks on a background with the Hex color B1DC30.

# 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





# Trichromacy



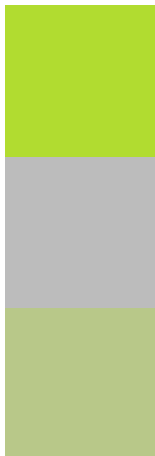
**Original Color**  
B1DC30

**Protanomaly**  
D2D22D

**Deuteranomaly**  
E3CB3B

**Tritanomaly**  
BCD29E

# Monochromacy



**Original Color**  
B1DC30

**Achromatopsia**  
BCBCBC

**Achromatomaly**  
B8C889

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B1DC30 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 #B1DC30 looks like.

```
.text, #text, p{  
    color:#B1DC30  
}
```

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 #B1DC30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B1DC30
}
```

## Border

The CSS property to change the border of an element to Hex B1DC30 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
#B1DC30 }
```

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

```
.border{ border-color:#B1DC30 }
```

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

Here you see how a box with a 4 pixel #B1DC30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B1DC30; -webkit-box-shadow:4px 4px  
4px 4px #B1DC30; box-shadow:4px 4px 4px  
4px #B1DC30 }
```

# Background

The CSS property to change the background color of an element to Hex B1DC30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B1DC30 }
```

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

```
.background{ background-color:#B1DC30 }
```

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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