

# Converting Colors

Hex(BDC630)

Have a look what the booklet for  
Hex(BDC630) contains.

<b>Hex(BDC630)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(BDC630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC630
RGB	189, 198, 48
RGB Percent	74%, 78%, 19%
CMY	0.2588, 0.2235, 0.8118
CMYK	0.05, 0.00, 0.76, 0.22
HSL	64°, 61%, 48%
HSV	64°, 76%, 78%
XYZ	41.7138, 51.4204, 10.5229
YIQ	178.2090, 42.7860, -48.5580

# Conversions

## Conversions Part 2

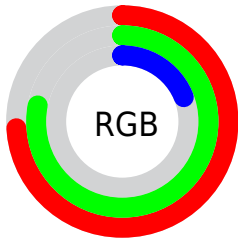
Format	Color
<a href="#">RYB</a>	<a href="#">48, 198, 57</a>
Decimal	<a href="#">12437040</a>
CIELab	<a href="#">76.93, -20.60, 68.45</a>
CIELCh	<a href="#">77, 71.481, 106.751</a>
Yxy	<a href="#">51.4204, 0.4024, 0.4961</a>
Android (android.graphics.Color)	<a href="#">4290627120 (0xFFBDC630)</a>
YUV	<a href="#">178.2090, -64.1930, 9.4637</a>
Hunter-Lab	<a href="#">71.7080, -21.6523, 41.4950</a>

# Details

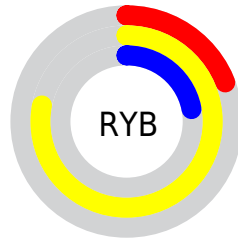
The Hex color **BDC630** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **3930C6**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **F8FF6A**, and **849000** is the 20% darker color. If you saturate the color by 10%, you get **BCC61C**, and if you desaturate by 10%, it is **BEC644**.

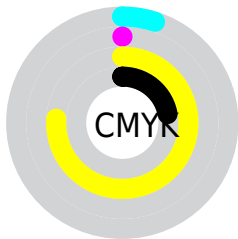
# Distribution



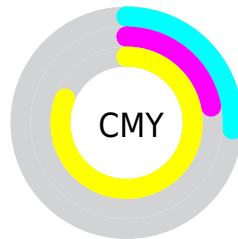
- Red (74%)
- Green (78%)
- Blue (19%)



- Red (19%)
- Yellow (78%)
- Blue (22%)



- Cyan (5%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)



- Cyan (26%)
- Magenta (22%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BDC630 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 BDC630 by changing the saturation by 10% instead.



 BDC630

 BDC630

FFFFFF

 A0AB04

 F8FF6A

 849000

 FFFF86

 687700

 FFFFA2

 4D5E00

 FFFFBF

 324700

 FFFFDC

 183000

 FFFFF9

 001D00

 000000

 BDC630

 BDC630

 BCC61C

 BEC644

 BBC608

 BFC658

 BAC600

 C1C66B

 C2C67F

 C3C693

 C4C6A7

 C5C6BB

 C7C6CE

 C8C6E2

# Harmonies

## Analogous

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



F9B033



BDC630



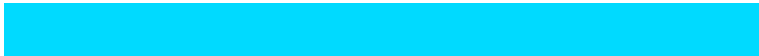
6FD45E

# Triad

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



BDC630



00DAFF



FF84DE

# Complementary

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



BDC630



3930C6

# 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.



F09CFF



BDC630



00CEFF

# Square

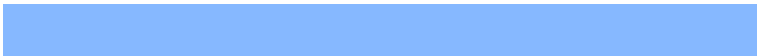
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



BDC630



00DEE2



86B8FF



FF819C

# Rectangle

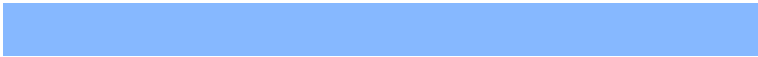
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



BDC630



00DA87



86B8FF



FF8AF4



# Sweetspot

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



BDC630



FBFFC4



C63830



7D805C



000000



808080



# Same Dimension

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



BDC630



F1FF17



74C630



63635A



99A300



222400



# Inverse Universe

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



3930C6



2517FF



8330C6



5A5A63



0A00A3



020024



# Previews

## White Background



This preview shows how the Hex color BDC630 looks on a white background.

## Color Contrast Check

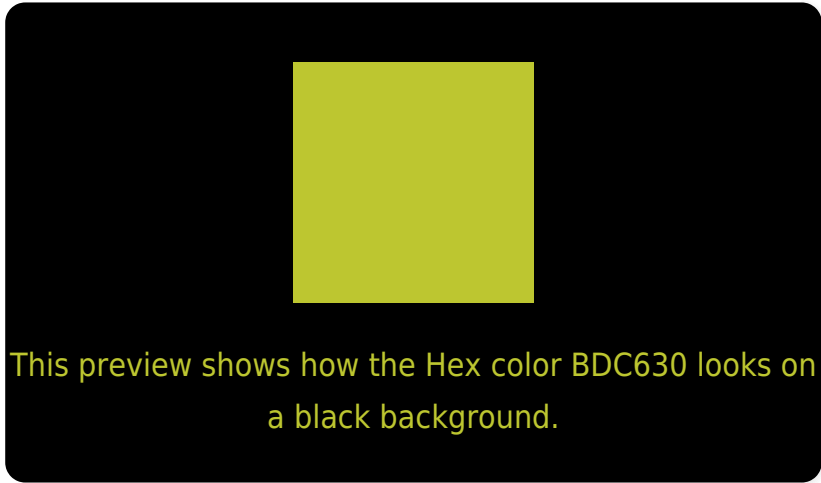
Large Text (above 18pt) WCAG AA × Fail

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 BDC630 Background



This preview shows how black text looks on a background with the Hex color BDC630.



This preview shows how white text looks on a background with the Hex color BDC630.

# 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



**Original Color**  
BDC630

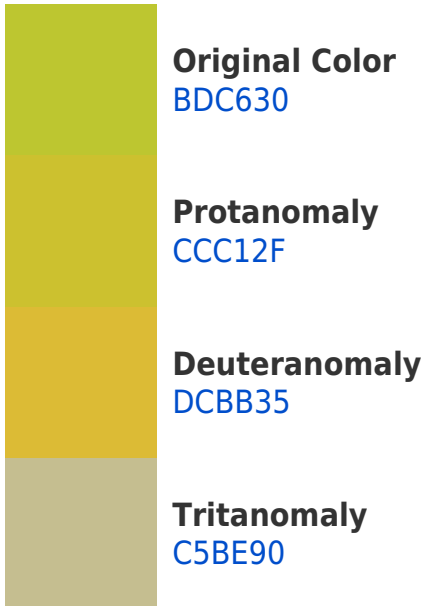
**Protanopia**  
D5BE2E

**Deuteranopia**  
EEB438



**Tritanopia**  
CAB9C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BDC630 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 #BDC630 looks like.

```
.text, #text, p{  
    color:#BDC630  
}
```

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 #BDC630 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BDC630
}
```

## Border

The CSS property to change the border of an element to Hex BDC630 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
#BDC630 }
```

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

```
.border{ border-color:#BDC630 }
```

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

Here you see how a box with a 4 pixel #BDC630 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BDC630; -webkit-box-shadow:4px 4px  
4px 4px #BDC630; box-shadow:4px 4px 4px  
4px #BDC630 }
```

# Background

The CSS property to change the background color of an element to Hex BDC630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BDC630 }
```

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

```
.background{ background-color:#BDC630 }
```

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