

# Converting Colors

Hex(BD5781)

Have a look what the booklet for  
Hex(BD5781) contains.

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# Color

**Hex(BD5781)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD5781
RGB	189, 87, 129
RGB Percent	74%, 34%, 51%
CMY	0.2588, 0.6588, 0.4941
CMYK	0.00, 0.54, 0.32, 0.26
HSL	335°, 44%, 54%
HSV	335°, 54%, 74%
XYZ	28.3569, 19.2202, 22.9842
YIQ	122.2860, 47.3100, 34.6860

# Conversions

## Conversions Part 2

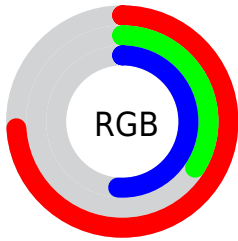
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 87, 129
Decimal	12408705
CIE Lab	50.94, 45.55, -3.66
CIE LCh	51, 45.696, 355.402
Yxy	19.2202, 0.4019, 0.2724
Android (android.graphics.Color)	4290598785 (0xFFBD5781)
YUV	122.2860, 3.3100, 58.5082
Hunter-Lab	43.8408, 38.7350, -0.3950

# Details

The Hex color **BD5781** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **57BD93**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **F88CB6**, and **842150** is the 20% darker color. If you saturate the color by 10%, you get **BD4476**, and if you desaturate by 10%, it is **BD6A8C**.

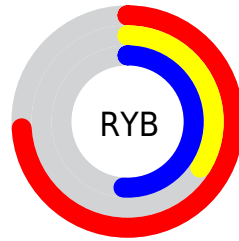
# Distribution



Red (74%)

Green (34%)

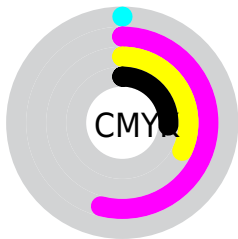
Blue (51%)



Red (74%)

Yellow (34%)

Blue (51%)

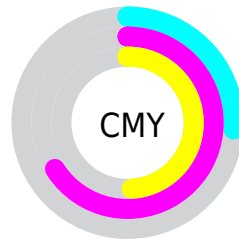


Cyan (0%)

Magenta (54%)

Yellow (32%)

Black (26%)



Cyan (26%)

Magenta (66%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD5781 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 BD5781 by changing the saturation by 10% instead.



 BD5781

 BD5781

FFFFFF

 A03D68

 F88CB6

 842150

 FFA8D1

 690039

 FFC4EE

 4E0024

 FFE0FF

 37000E

 FFFDFF

 100000

 000000

 BD5781

 BD5781

 BD4476

 BD6A8C

 BD316B

 BD7D97

 BD1E60

 BD90A2

 BD0B55

 BDA3AD

 BD004E

 BDB6B9

 BDC8C4

 BDDBCF

 BDEEDA

 BDFFE5

# Harmonies

## Analogous

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



A362A6



BD5781



C05A5A

# Triad

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



BD5781



6E812E



0088B9

# Complementary

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



BD5781



57BD93

# 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.



008C9A



BD5781



3C884B

# Square

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



BD5781



947527



008C72



007FC7

# Rectangle

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



BD5781



B86243



008C72



008AB0



# Sweetspot

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



BD5781



F5CEDE



9357BD



7A636D



FAFAFA



7A7A7A



# Same Dimension

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



BD5781



F55697



BD6057



5E5559



9E0041



1F000D



# Inverse Universe

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



BD5781



F55697



57B5BD



5E5559



9E0041

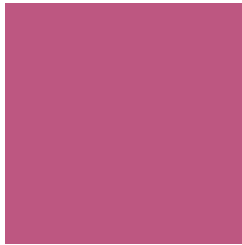


1F000D



# Previews

## White Background



This preview shows how the Hex color BD5781 looks on a white background.

## Color Contrast Check

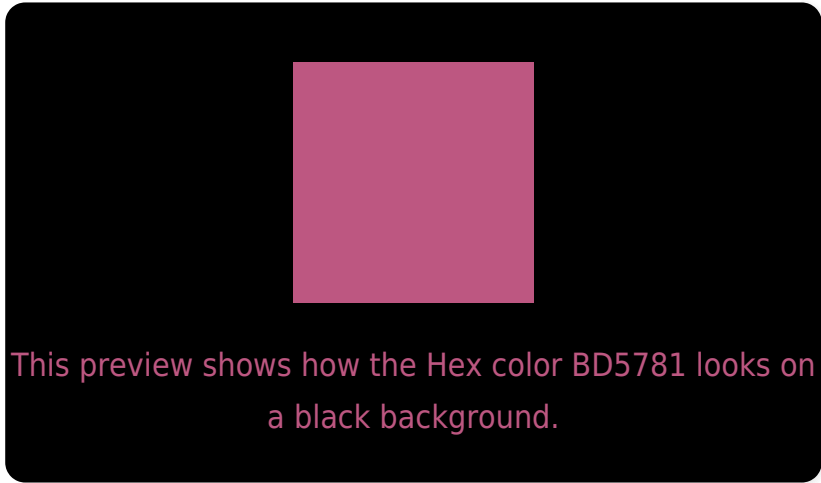
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex BD5781 Background



This preview shows how black text looks on a background with the Hex color BD5781.



This preview shows how white text looks on a background with the Hex color BD5781.

# 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



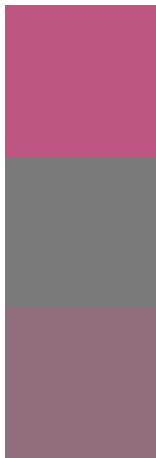
**Original Color**  
BD5781

**Protanomaly**  
8E6D8F

**Deuteranomaly**  
996B7E

**Tritanomaly**  
BB5B6E

# Monochromacy



**Original Color**  
BD5781

**Achromatopsia**  
7A7A7A

**Achromatomaly**  
926D7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD5781 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 #BD5781 looks like.

```
.text, #text, p{  
    color:#BD5781  
}
```

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 #BD5781 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD5781
}
```

## Border

The CSS property to change the border of an element to Hex BD5781 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
#BD5781 }
```

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

```
.border{ border-color:#BD5781 }
```

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

Here you see how a box with a 4 pixel #BD5781 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD5781; -webkit-box-shadow:4px 4px  
4px 4px #BD5781; box-shadow:4px 4px 4px  
4px #BD5781 }
```

# Background

The CSS property to change the background color of an element to Hex BD5781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD5781 }
```

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

```
.background{ background-color:#BD5781 }
```

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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