

# Converting Colors

Hex(B23E70)

Have a look what the booklet for  
Hex(B23E70) contains.

<b>Hex(B23E70)</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(B23E70)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B23E70
RGB	178, 62, 112
RGB Percent	70%, 24%, 44%
CMY	0.3020, 0.7569, 0.5608
CMYK	0.00, 0.65, 0.37, 0.30
HSL	334°, 48%, 47%
HSV	334°, 65%, 70%
XYZ	23.0074, 14.0801, 16.8343
YIQ	102.3840, 53.0860, 40.1420

# Conversions

## Conversions Part 2

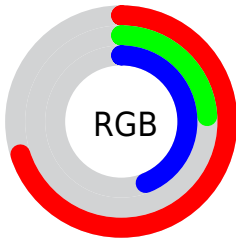
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 62, 112
Decimal	11681392
CIE Lab	44.35, 51.49, -3.30
CIE LCh	44, 51.598, 356.338
Yxy	14.0801, 0.4267, 0.2611
Android (android.graphics.Color)	4289871472 (0xFFB23E70)
YUV	102.3840, 4.7407, 66.3152
Hunter-Lab	37.5234, 43.7806, -0.3332

# Details

The Hex color **B23E70** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **3EB280**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **ED74A4**, and **790040** is the 20% darker color. If you saturate the color by 10%, you get **B22C66**, and if you desaturate by 10%, it is **B2507A**.

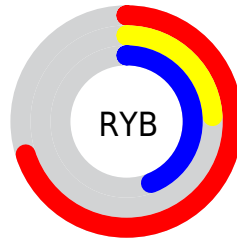
# Distribution



Red (70%)

Green (24%)

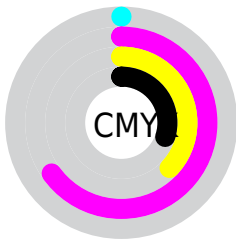
Blue (44%)



Red (70%)

Yellow (24%)

Blue (44%)

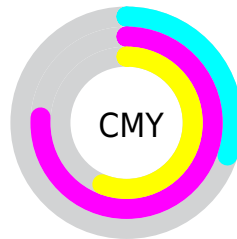


Cyan (0%)

Magenta (65%)

Yellow (37%)

Black (30%)



Cyan (30%)

Magenta (76%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B23E70 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 B23E70 by changing the saturation by 10% instead.



 B23E70

 B23E70

FFFFFF

 952158

 ED74A4

 790040

 FF90BF

 5D002B

 FFABDA

 420016

 FFC8F7

 280001

 FFE5FF

 000000

 B23E70

 B23E70

 B22C66

 B2507A

 B21A5C

 B26284

 B20952

 B2738E

 B2004D

 B28599

 B297A3

 B2A9AD

 B2BBB7

 B2CCC1

 B2DECB

# Harmonies

## Analogous

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



974C99



B23E70



B44245

# Triad

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



B23E70



59720F



0079B0

# Complementary

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



B23E70



3EB280

# 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.



007D8E



B23E70



147936

# Square

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



B23E70



826500



007C62



0070BF

# Rectangle

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



B23E70



AA4E2C



007C62



007BA6



# Sweetspot

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



B23E70



E8BACE



803EB2



755965



F5F5F5



757575



# Same Dimension

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



B23E70



E83381



B2463E



595054



990042



1A000B



# Inverse Universe

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



B23E70



E83381



3EAAB2



595054



990042



1A000B



# Previews

## White Background



This preview shows how the Hex color B23E70 looks on a white background.

## Color Contrast Check

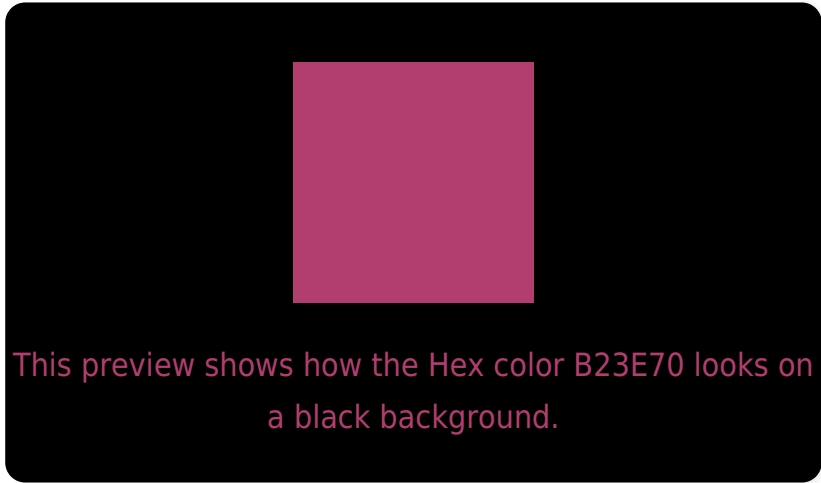
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

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



## Hex B23E70 Background



This preview shows how black text looks on a background with the Hex color B23E70.



This preview shows how white text looks on a background with the Hex color B23E70.

# 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**  
B23E70

**Protanopia**  
60688B

**Deuteranopia**  
73666A



**Tritanopia**  
AF464B

# Trichromacy



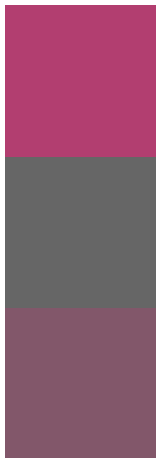
**Original Color**  
B23E70

**Protanomaly**  
7E5981

**Deuteranomaly**  
8A576C

**Tritanomaly**  
B04358

# Monochromacy



**Original Color**  
B23E70

**Achromatopsia**  
666666

**Achromatomaly**  
82576A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B23E70 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 #B23E70 looks like.

```
.text, #text, p{  
    color:#B23E70  
}
```

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 #B23E70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B23E70
}
```

## Border

The CSS property to change the border of an element to Hex B23E70 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
#B23E70 }
```

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

```
.border{ border-color:#B23E70 }
```

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

Here you see how a box with a 4 pixel #B23E70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B23E70; -webkit-box-shadow:4px 4px  
4px 4px #B23E70; box-shadow:4px 4px 4px  
4px #B23E70 }
```

# Background

The CSS property to change the background color of an element to Hex B23E70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B23E70 }
```

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

```
.background{ background-color:#B23E70 }
```

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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