

# Converting Colors

Hex(1B136B)

Have a look what the booklet for  
Hex(1B136B) contains.

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# Color

**Hex(1B136B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B136B
RGB	27, 19, 107
RGB Percent	11%, 7%, 42%
CMY	0.8941, 0.9255, 0.5804
CMYK	0.75, 0.82, 0.00, 0.58
HSL	245°, 70%, 25%
HSV	245°, 82%, 42%
XYZ	3.3387, 1.7603, 14.0737
YIQ	31.4240, -23.4800, 29.0640

# Conversions

## Conversions Part 2

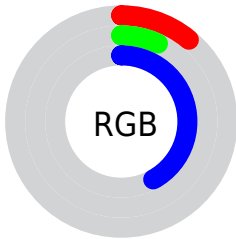
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 19, 107
Decimal	1774443
CIE <sub>Lab</sub>	14.18, 33.68, -49.10
CIE <sub>LCh</sub>	14, 59.540, 304.454
Yxy	1.7603, 0.1741, 0.0918
Android (android.graphics.Color)	4279964523 (0xFF1B136B)
YUV	31.4240, 37.2590, -3.8798
Hunter-Lab	13.2676, 21.7001, -53.6050




# Details

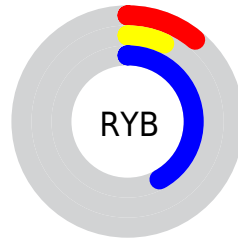
The Hex color **1B136B** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **636B13**, and the grayscale version is **1F1F1F**.




A 20% lighter version of the original color is **55409F**, and **00003A** is the 20% darker color. If you saturate the color by 10%, you get **11086B**, and if you desaturate by 10%, it is **251E6B**.

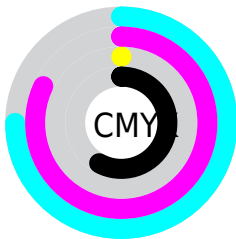
# Distribution







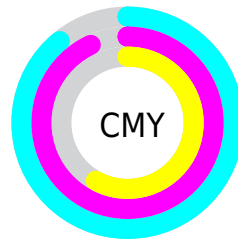
-  Red (11%)
-  Green (7%)
-  Blue (42%)






-  Red (11%)
-  Yellow (7%)
-  Blue (42%)



-  Cyan (75%)
-  Magenta (82%)
-  Yellow (0%)
-  Black (58%)



-  Cyan (89%)
-  Magenta (93%)
-  Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B136B 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 1B136B by changing the saturation by 10% instead.



 1B136B

 1B136B

 FFF9FF

 000052

 55409F

 00003A

 7058BB

 000224

 8C70D7

 00000B

 A88AF4

 000000

 C4A5FF

 E1C0FF

 FFDCFF

 1B136B

 1B136B

■ 11086B

■ 251E6B

■ 0A006B

■ 2E286B

■ 38336B

■ 423E6B

■ 4C496B

■ 55536B

■ 5F5E6B

■ 69696B

■ 73736B

# Harmonies

## Analogous

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



002A7A



1B136B



560049

# Triad

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



1B136B



491000



003329

# Complementary

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



1B136B



636B13

# 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.



003100



1B136B



282500

# Square

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



1B136B



5F0000



002D00



003453

# Rectangle

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



1B136B



64002E



002D00



00331B



# Sweetspot

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



1B136B



6C698C



13646B



343247



C7C7C7



474747



# Same Dimension

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



1B136B



0E018C



46136B



313036



0B0075



1600F5



# Inverse Universe

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



6B1363



8C0180



386B13



363035



75006B

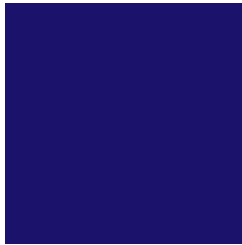


F500DF



# Previews

## White Background



This preview shows how the Hex color 1B136B looks on a white background.

## Color Contrast Check

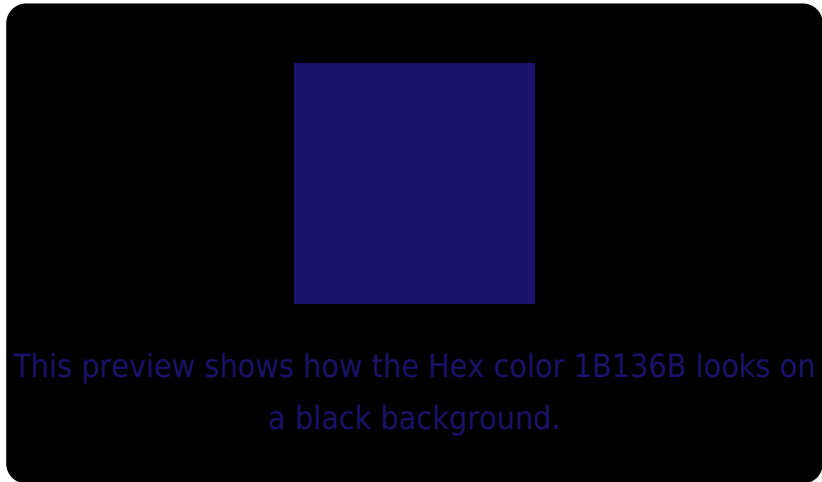
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

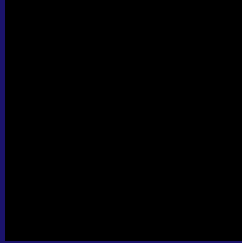
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B136B Background



This preview shows how black text looks on a background with the Hex color 1B136B.



This preview shows how white text looks on a background with the Hex color 1B136B.

# 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**  
1B136B

**Protanopia**  
00244C

**Deuteranopia**  
002640



# Trichromacy



**Original Color**  
1B136B

**Protanomaly**  
0A1E57

**Deuteranomaly**  
0A1F50

**Tritanomaly**  
0A2143

# Monochromacy



**Original Color**  
1B136B

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
1E1B3B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B136B 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 #1B136B looks like.

```
.text, #text, p{  
    color:#1B136B  
}
```

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 #1B136B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B136B
}
```

## Border

The CSS property to change the border of an element to Hex 1B136B 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
#1B136B }
```

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

```
.border{ border-color:#1B136B }
```

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

Here you see how a box with a 4 pixel #1B136B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B136B; -webkit-box-shadow:4px 4px  
4px 4px #1B136B; box-shadow:4px 4px 4px  
4px #1B136B }
```

# Background

The CSS property to change the background color of an element to Hex 1B136B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B136B }
```

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

```
.background{ background-color:#1B136B }
```

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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