

# Converting Colors

Hex(1B1161)

Have a look what the booklet for  
Hex(1B1161) contains.

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# Color

**Hex(1B1161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B1161
RGB	27, 17, 97
RGB Percent	11%, 7%, 38%
CMY	0.8941, 0.9333, 0.6196
CMYK	0.72, 0.82, 0.00, 0.62
HSL	248°, 70%, 22%
HSV	248°, 82%, 38%
XYZ	2.8101, 1.4970, 11.4501
YIQ	29.1100, -19.7200, 27.0000

# Conversions

## Conversions Part 2

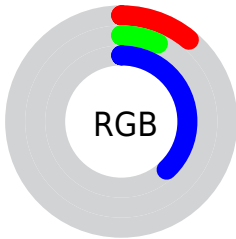
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 17, 97
Decimal	1773921
CIE Lab	12.59, 31.38, -45.11
CIE LCh	13, 54.952, 304.824
Yxy	1.4970, 0.1783, 0.0950
Android (android.graphics.Color)	4279964001 (0xFF1B1161)
YUV	29.1100, 33.4698, -1.8505
Hunter-Lab	12.2351, 19.5858, -46.9214

# Details

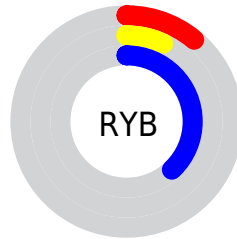
The Hex color **1B1161** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **576111**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **533D95**, and **000431** is the 20% darker color. If you saturate the color by 10%, you get **130761**, and if you desaturate by 10%, it is **231B61**.

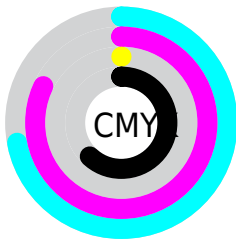
# Distribution



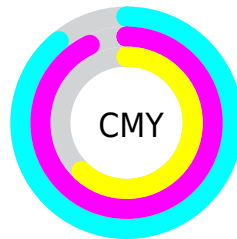
- Red (11%)
- Green (7%)
- Blue (38%)



- Red (11%)
- Yellow (7%)
- Blue (38%)



- Cyan (72%)
- Magenta (82%)
- Yellow (0%)
- Black (62%)



- Cyan (89%)
- Magenta (93%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B1161 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 1B1161 by changing the saturation by 10% instead.



 1B1161

 1B1161

 FFF5FF

 000049

 533D95

 000431

 6D55B0

 00011B

 886ECB

 000000

 A487E8

 C0A2FF

 DDBDFF

 FAD9FF

 1B1161

 1B1161

■ 130761

■ 231B61

■ 0C0061

■ 2C2461

■ 342E61

■ 3D3861

■ 454261

■ 4E4B61

■ 565561

■ 5F5F61

■ 676861

# Harmonies

## Analogous

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



00266F



1B1161



4F0042

# Triad

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



1B1661



420F00



002F26

# Complementary

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



1B161



576111

# 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.



002E00



1B1161



252200

# Square

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



1B1661



570000



002A00



002F4C

# Rectangle

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



1B1161



5B0029



002A00



002F19



# Sweetspot

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



1B1161



625E7D



115861



2F2D40



BFBFBF



404040



# Same Dimension

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



1B1161



11017D



421161



2C2C30



0E0070



1E00F0



# Inverse Universe

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



611157



7D016D



306111



302C30



700062

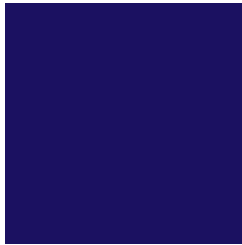


F000D2



# Previews

## White Background



This preview shows how the Hex color 1B1161 looks on a white background.

## Color Contrast Check

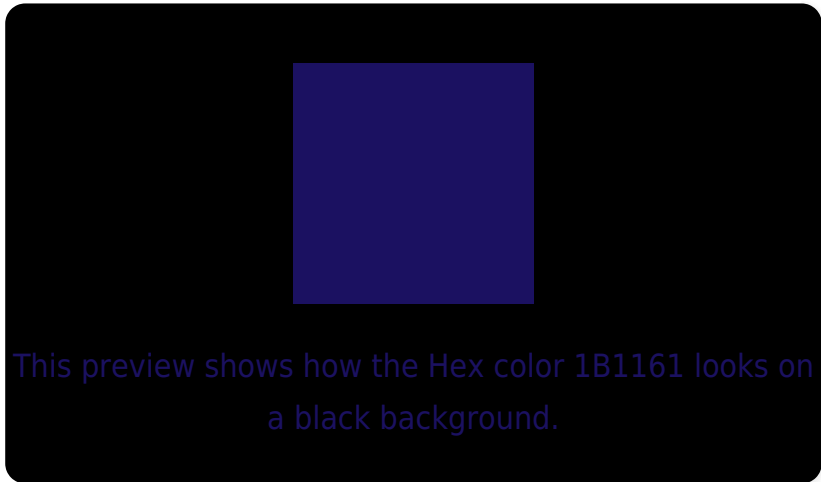
Large Text (above 18pt) WCAG AA ✓ Pass

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

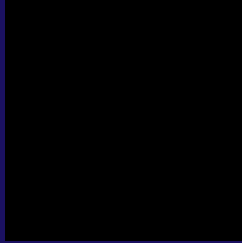
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B1161 Background



This preview shows how black text looks on a background with the Hex color 1B1161.



This preview shows how white text looks on a background with the Hex color 1B1161.

# 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**  
1B1161

**Protanopia**  
002145

**Deuteranopia**  
00233B



# Trichromacy



**Original Color**  
1B1161

**Protanomaly**  
0A1B4F

**Deuteranomaly**  
0A1C49

**Tritanomaly**  
0A1E3D

# Monochromacy



**Original Color**  
1B1161

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
1C1936

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B1161 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 #1B1161 looks like.

```
.text, #text, p{  
    color:#1B1161  
}
```

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 #1B1161 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B1161
}
```

## Border

The CSS property to change the border of an element to Hex 1B1161 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
#1B1161 }
```

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

```
.border{ border-color:#1B1161 }
```

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

Here you see how a box with a 4 pixel #1B1161 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B1161; -webkit-box-shadow:4px 4px  
4px 4px #1B1161; box-shadow:4px 4px 4px  
4px #1B1161 }
```

# Background

The CSS property to change the background color of an element to Hex 1B1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B1161 }
```

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

```
.background{ background-color:#1B1161 }
```

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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