

Converting Colors

Hex(1B166E)

Have a look what the booklet for
Hex(1B166E) contains.

Hex(1B166E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1B166E)

Conversions

Conversions Part 1

Format	Color
Hex	1B166E
RGB	27, 22, 110
RGB Percent	11%, 9%, 43%
CMY	0.8941, 0.9137, 0.5686
CMYK	0.75, 0.80, 0.00, 0.57
HSL	243°, 67%, 26%
HSV	243°, 80%, 43%
XYZ	3.5534, 1.9326, 14.9376
YIQ	33.5270, -25.2680, 28.4280

Conversions

Conversions Part 2

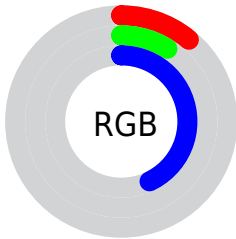
Format	Color
R_{YB}	27, 22, 110
Decimal	1775214
CIE Lab	15.13, 33.01, -49.48
CIE LCh	15, 59.478, 303.708
Yxy	1.9326, 0.1740, 0.0946
Android (android.graphics.Color)	4279965294 (0xFF1B166E)
YUV	33.5270, 37.7012, -5.7242
Hunter-Lab	13.9019, 21.2971, -53.9760




Details

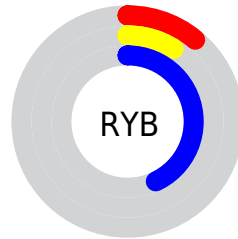
The Hex color **1B166E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **696E16**, and the grayscale version is **212121**.




A 20% lighter version of the original color is **5643A3**, and **00003D** is the 20% darker color. If you saturate the color by 10%, you get **110B6E**, and if you desaturate by 10%, it is **25216E**.

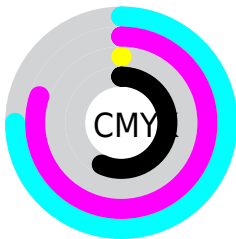
Distribution







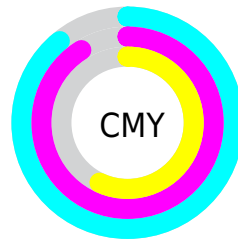
-  Red (11%)
-  Green (9%)
-  Blue (43%)






-  Red (11%)
-  Yellow (9%)
-  Blue (43%)



-  Cyan (75%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (89%)
-  Magenta (91%)
-  Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Hex color 1B166E 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 1B166E by changing the saturation by 10% instead.

 1B166E


 1B166E


 FFFCFF

 000155

 5643A3

 00003D

 715BBE

 000326

 8D73DA

 00010F

 A98DF7

 000000

 C5A8FF

 E2C3FF

 FFDFFF

 1B166E

 1B166E

■ 110B6E

■ 25216E

■ 06006E

■ 302C6E

■ 3A376E

■ 44426E

■ 4F4D6E

■ 59586E

■ 64636E

■ 6E6E6E

■ 78796E

Harmonies

Analogous

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



002C7D



1B166E



58004C

Triad

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



1B166E



4C1100



00352A

Complementary

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



1B166E



696E16

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.



003300



1B166E



2C2700

Square

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



1B166E



620000



002F00



003555

Rectangle

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



1B166E



660031



002F00



00351B

Sweetspot

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



1B166E



6E6D8F



166A6E



343347



C7C7C7



474747

Same Dimension

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



1B166E



0E068F



46166E



333238



070078



0E00F7

Inverse Universe

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



6E1669



8F0687



3E6E16



383238



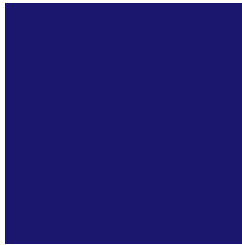
780071



F700E9

Previews

White Background



This preview shows how the Hex color 1B166E looks on a white background.

Color Contrast Check

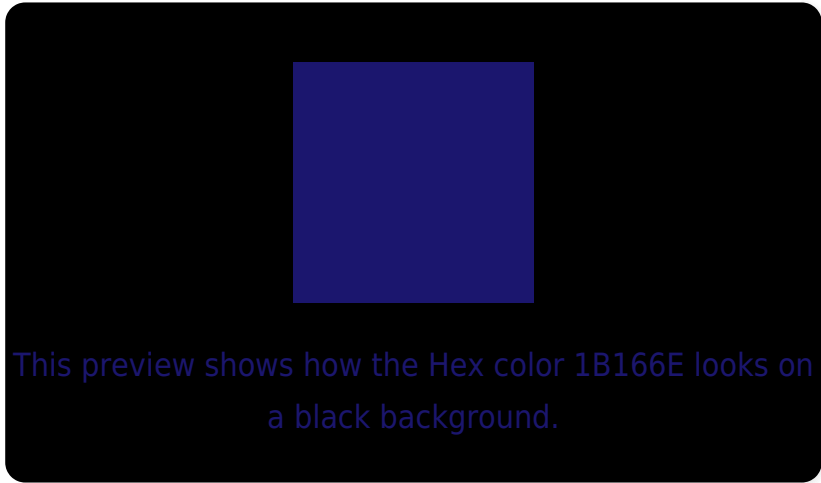
Large Text (above 18pt) WCAG AA ✓ Pass

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

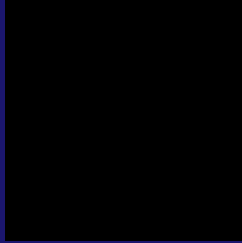
Any Text WCAG AA × Fail

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 1B166E Background



This preview shows how black text looks on a background with the Hex color 1B166E.



This preview shows how white text looks on a background with the Hex color 1B166E.

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
1B166E

Protanopia
00264F

Deuteranopia
002843



Tritanopia
002B2E

Trichromacy



Original Color
1B166E

Protanomaly
0A205A

Deuteranomaly
0A2153

Tritanomaly
0A2345

Monochromacy



Original Color
1B166E

Achromatopsia
222222

Achromatomaly
1F1E3E

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B166E 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 #1B166E looks like.

```
.text, #text, p{  
    color:#1B166E  
}
```

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 #1B166E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B166E
}
```

Border

The CSS property to change the border of an element to Hex 1B166E 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
#1B166E }
```

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

```
.border{ border-color:#1B166E }
```

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

Here you see how a box with a 4 pixel #1B166E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B166E; -webkit-box-shadow:4px 4px  
4px 4px #1B166E; box-shadow:4px 4px 4px  
4px #1B166E }
```

Background

The CSS property to change the background color of an element to Hex 1B166E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B166E }
```

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

```
.background{ background-color:#1B166E }
```

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