

Converting Colors

Hex(1B4B81)

Have a look what the booklet for
Hex(1B4B81) contains.

Hex(1B4B81)	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(1B4B81)

Conversions

Conversions Part 1

Format	Color
Hex	1B4B81
RGB	27, 75, 129
RGB Percent	11%, 29%, 51%
CMY	0.8941, 0.7059, 0.4941
CMYK	0.79, 0.42, 0.00, 0.49
HSL	212°, 65%, 31%
HSV	212°, 79%, 51%
XYZ	6.9305, 6.8501, 21.7258
YIQ	66.8040, -45.9420, 6.6180

Conversions

Conversions Part 2

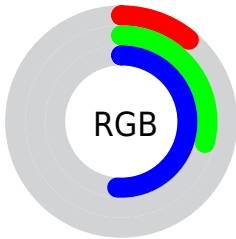
Format	Color
R_{YB}	27, 60, 129
Decimal	1788801
CIE _{Lab}	31.46, 4.30, -35.04
CIE _{LCh}	31, 35.300, 277.004
Yxy	6.8501, 0.1952, 0.1929
Android (android.graphics.Color)	4279978881 (0xFF1B4B81)
YUV	66.8040, 30.6626, -34.9081
Hunter-Lab	26.1728, 1.4642, -30.8952




Details

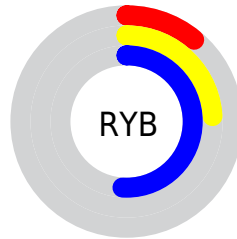
The Hex color **1B4B81** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **81511B**, and the grayscale version is **434343**.




A 20% lighter version of the original color is **577BB6**, and **00204F** is the 20% darker color. If you saturate the color by 10%, you get **0E4481**, and if you desaturate by 10%, it is **285281**.

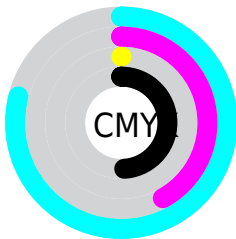
Distribution







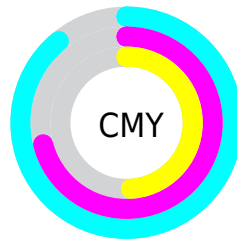
-  Red (11%)
-  Green (29%)
-  Blue (51%)






-  Red (11%)
-  Yellow (24%)
-  Blue (51%)



-  Cyan (79%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (89%)
-  Magenta (71%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B4B81 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 1B4B81 by changing the saturation by 10% instead.

■ 1B4B81

■ 1B4B81

FFFFFF

■ 003568

■ 577BB6

■ 00204F

■ 7395D2

■ 000738

■ 8EB0EF

■ 000222

■ AACBFF

■ 000007

■ C7E7FF

■ 000000

■ E4FFFF

■ 1B4B81

■ 1B4B81

■ 0E4481

■ 285281

■ 013D81

■ 355981

■ 003D81

■ 425F81

■ 4F6681

■ 5C6D81

■ 687481

■ 757B81

■ 828281

■ 8F8881

Harmonies

Analogous

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



00537D



1B4B81



544076

Triad

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



1B4B81



79362A



005633

Complementary

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



1B4B81



81511B

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.



35521B



1B4B81



6A4115

Square

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



1B4B81



7C3045



534B0D



005750

Rectangle

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



1B4B81



693869



534B0D



1A552A

Sweetspot

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



1B4B81



8093A8



1B8150



3C4754



D4D4D4



545454

Same Dimension

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



1B4B81



0854A8



1D1B81



393C40



003C80



000000

Inverse Universe

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



811B4B



A80854



7F811B



40393C



80003C



000000

Previews

White Background



This preview shows how the Hex color 1B4B81 looks on a white background.

Color Contrast Check

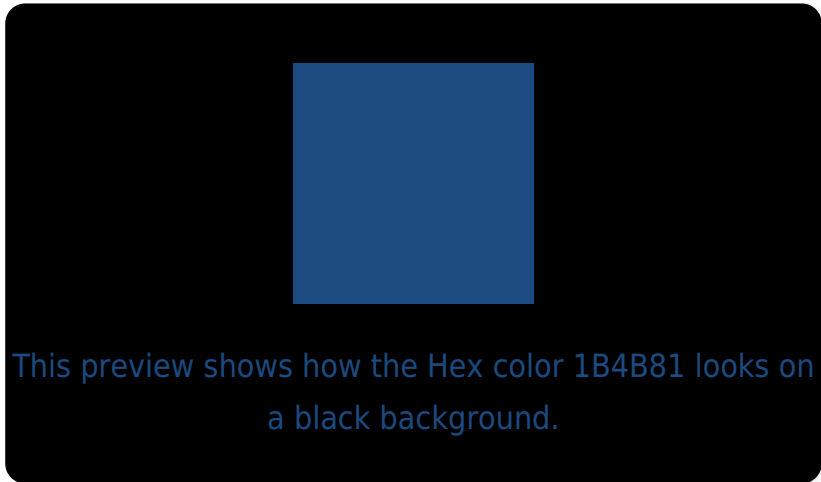
Large Text (above 18pt) WCAG AA ✓ Pass

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

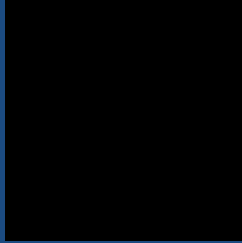
Any Text WCAG AA × Fail

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 1B4B81 Background



This preview shows how black text looks on a background with the Hex color 1B4B81.



This preview shows how white text looks on a background with the Hex color 1B4B81.

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
1B4B81

Protanopia
32487E

Deuteranopia
1C4B81

Trichromacy



Original Color
1B4B81

Protanomaly
2A497F

Deuteranomaly
1C4B81

Tritanomaly
0A4F67

Monochromacy



Original Color
1B4B81

Achromatopsia
434343

Achromatomaly
34465A

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B4B81 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 #1B4B81 looks like.

```
.text, #text, p{  
    color:#1B4B81  
}
```

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 #1B4B81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B4B81
}
```

Border

The CSS property to change the border of an element to Hex 1B4B81 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
#1B4B81 }
```

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

```
.border{ border-color:#1B4B81 }
```

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

Here you see how a box with a 4 pixel #1B4B81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B4B81; -webkit-box-shadow:4px 4px  
4px 4px #1B4B81; box-shadow:4px 4px 4px  
4px #1B4B81 }
```

Background

The CSS property to change the background color of an element to Hex 1B4B81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B4B81 }
```

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

```
.background{ background-color:#1B4B81 }
```

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