

Converting Colors

Hex(133B8B)

Have a look what the booklet for
Hex(133B8B) contains.

Hex(133B8B)	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(133B8B)

Conversions

Conversions Part 1

Format	Color
Hex	133B8B
RGB	19, 59, 139
RGB Percent	7%, 23%, 55%
CMY	0.9255, 0.7686, 0.4549
CMYK	0.86, 0.58, 0.00, 0.45
HSL	220°, 76%, 31%
HSV	220°, 86%, 55%
XYZ	6.4927, 5.1305, 25.0742
YIQ	56.1600, -49.5200, 16.4000

Conversions

Conversions Part 2

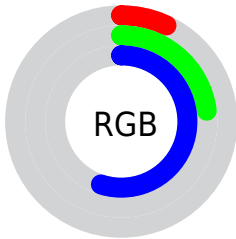
Format	Color
R_{YB}	19, 49, 139
Decimal	1260427
CIE _{Lab}	27.10, 18.60, -48.27
CIE _{LCh}	27, 51.734, 291.075
Yxy	5.1305, 0.1769, 0.1398
Android (android.graphics.Color)	4279450507 (0xFF133B8B)
YUV	56.1600, 40.8401, -32.5893
Hunter-Lab	22.6505, 11.5283, -49.7788

Details

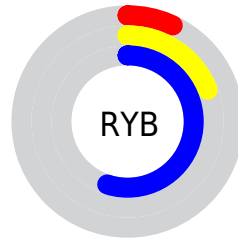
The Hex color **133B8B** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **8B6313**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **576AC1**, and **001358** is the 20% darker color. If you saturate the color by 10%, you get **05328B**, and if you desaturate by 10%, it is **21448B**.

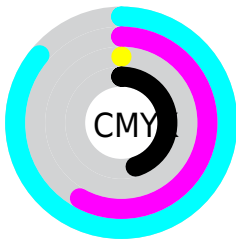
Distribution



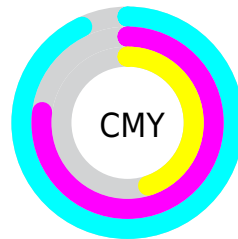
- Red (7%)
- Green (23%)
- Blue (55%)



- Red (7%)
- Yellow (19%)
- Blue (55%)



- Cyan (86%)
- Magenta (58%)
- Yellow (0%)
- Black (45%)



- Cyan (93%)
- Magenta (77%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 133B8B 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 133B8B by changing the saturation by 10% instead.

■ 133B8B

■ 133B8B

FFFFFF

■ 002671

■ 576AC1

■ 001358

■ 7383DD

■ 000240

■ 8F9DFA

■ 000329

■ ACB7FF

■ 000113

■ C9D3FF

■ 000000

■ E6EFFF

■ 133B8B

■ 133B8B

■ 05328B

■ 21448B

■ 002E8B

■ 2F4E8B

■ 3D578B

■ 4B608B

■ 59698B

■ 66738B

■ 747C8B

■ 82858B

■ 908E8B

Harmonies

Analogous

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



00498F



133B8B



622472

Triad

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



133B8B



742600



005032

Complementary

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



133B8B



8B6313

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.



004D04



133B8B



593A00

Square

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



133B8B



830927



364600



00515C

Rectangle

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



133B8B



78105B



364600



004F24

Sweetspot

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



133B8B



8696B5



138B63



3F495C



DBDBDB



5C5C5C

Same Dimension

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



133B8B



003CB5



27138B



3E4045



002C85



000205

Inverse Universe

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



8B133B



B5003C



778B13



453E40



85002C



050002

Previews

White Background



This preview shows how the Hex color 133B8B looks on a white background.

Color Contrast Check

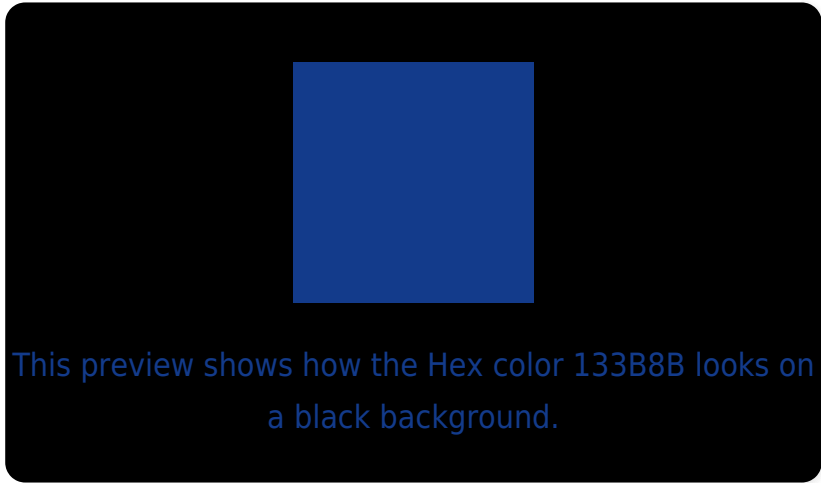
Large Text (above 18pt) WCAG AA ✓ Pass

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

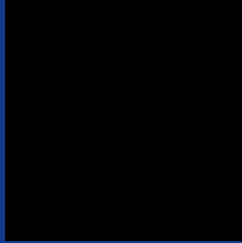
Any Text WCAG AA × Fail

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 133B8B Background



This preview shows how black text looks on a background with the Hex color 133B8B.



This preview shows how white text looks on a background with the Hex color 133B8B.

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
133B8B

Protanopia
003E83

Deuteranopia
004271



Tritanopia
00474C

Trichromacy



Original Color
133B8B

Protanomaly
073D86

Deuteranomaly
073F7A

Tritanomaly
074363

Monochromacy



Original Color
133B8B

Achromatopsia
383838

Achromatomaly
2B3956

CSS Examples

Text

The CSS property to change the color of the text to Hex 133B8B 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 #133B8B looks like.

```
.text, #text, p{  
    color:#133B8B  
}
```

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 #133B8B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #133B8B
}
```

Border

The CSS property to change the border of an element to Hex 133B8B 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
#133B8B }
```

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

```
.border{ border-color:#133B8B }
```

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

Here you see how a box with a 4 pixel #133B8B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #133B8B; -webkit-box-shadow:4px 4px  
4px 4px #133B8B; box-shadow:4px 4px 4px  
4px #133B8B }
```

Background

The CSS property to change the background color of an element to Hex 133B8B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#133B8B }
```

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

```
.background{ background-color:#133B8B }
```

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