

Converting Colors

Hex(1B31A8)

Have a look what the booklet for
Hex(1B31A8) contains.

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Color

Hex(1B31A8)

Conversions

Conversions Part 1

Format	Color
Hex	1B31A8
RGB	27, 49, 168
RGB Percent	11%, 19%, 66%
CMY	0.8941, 0.8078, 0.3412
CMYK	0.84, 0.71, 0.00, 0.34
HSL	231°, 72%, 38%
HSV	231°, 84%, 66%
XYZ	8.6182, 5.2568, 37.6062
YIQ	55.9880, -51.3110, 32.3450

Conversions

Conversions Part 2

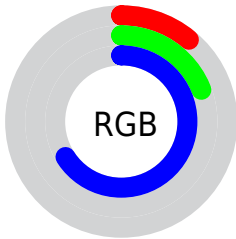
Format	Color
R_{YB}	27, 46, 168
Decimal	1782184
CIE _{Lab}	27.45, 37.32, -65.40
CIE _{LCh}	27, 75.303, 299.713
Yxy	5.2568, 0.1674, 0.1021
Android (android.graphics.Color)	4279972264 (0xFF1B31A8)
YUV	55.9880, 55.2219, -25.4225
Hunter-Lab	22.9277, 26.9721, -81.1986




Details

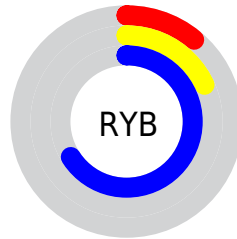
The Hex color **1B31A8** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **A8921B**, and the grayscale version is **373737**.




A 20% lighter version of the original color is **6360E0**, and **000973** is the 20% darker color. If you saturate the color by 10%, you get **0A23A8**, and if you desaturate by 10%, it is **2C3FA8**.

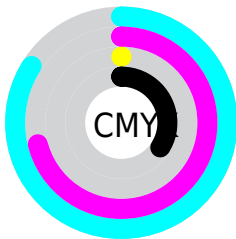
Distribution







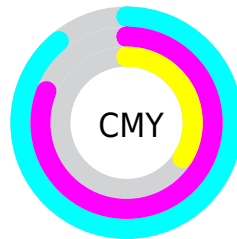
-  Red (11%)
-  Green (19%)
-  Blue (66%)






-  Red (11%)
-  Yellow (18%)
-  Blue (66%)



-  Cyan (84%)
-  Magenta (71%)
-  Yellow (0%)
-  Black (34%)



-  Cyan (89%)
-  Magenta (81%)
-  Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B31A8 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 1B31A8 by changing the saturation by 10% instead.

■ 1B31A8

■ 1B31A8

FFFFFF

■ 001C8D

■ 6360E0

■ 000973

■ 8279FD

■ 000059

■ 9F92FF

■ 000741

■ BDADFF

■ 00032A

■ DBC9FF

■ 000114

■ F9E5FF

■ 000000

■ 1B31A8

■ 1B31A8

■ 0A23A8

■ 2C3FA8

001AA8

3D4DA8

4D5CA8

5E6AA8

6F78A8

8086A8

9194A8

A1A2A8

B2B1A8

Harmonies

Analogous

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



004BB8



1B31A8



80007C

Triad

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



1B31A8



7C2000



00553F

Complementary

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



1B31A8



A8921B

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.



005200



1B31A8



513F00

Square

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



1B31A8



98000B



084D00



00567A

Rectangle

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



1B31A8



980057



084D00



00542A

Sweetspot

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



1B31A8



A4ADDB



1BA890



4D526E



EDEDED



6E6E6E

Same Dimension

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



1B31A8



0022DB



4A1BA8



4C4D54



001794



000314

Inverse Universe

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



A81B31



DB0022



79A81B



544C4D



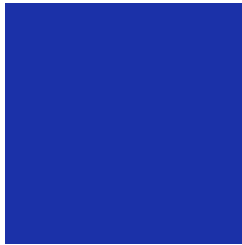
940017



140003

Previews

White Background



This preview shows how the Hex color 1B31A8 looks on a white background.

Color Contrast Check

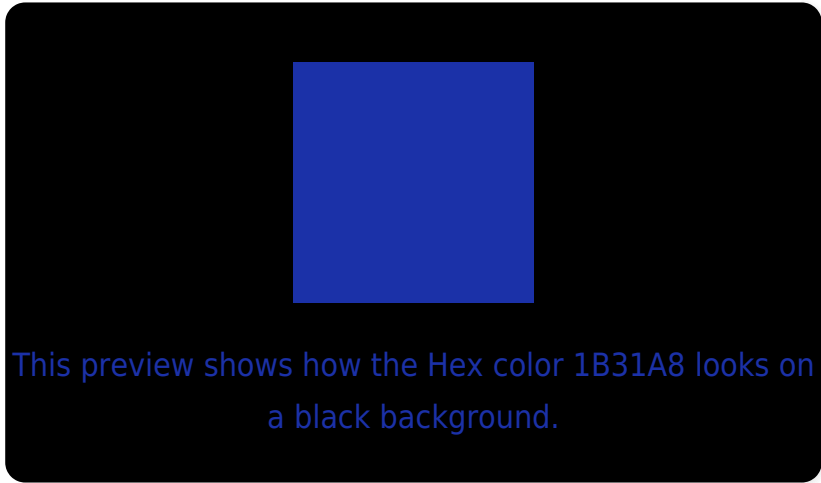
Large Text (above 18pt) WCAG AA ✓ Pass

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

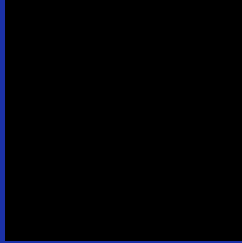
Any Text WCAG AA × Fail

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 1B31A8 Background



This preview shows how black text looks on a background with the Hex color 1B31A8.



This preview shows how white text looks on a background with the Hex color 1B31A8.

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
1B31A8

Protanopia
003F84

Deuteranopia
004370



Tritanopia
00484C

Trichromacy



Original Color
1B31A8

Protanomaly
0A3A91

Deuteranomaly
0A3C84

Tritanomaly
0A406D

Monochromacy



Original Color
1B31A8

Achromatopsia
383838

Achromatomaly
2D3561

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B31A8 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 #1B31A8 looks like.

```
.text, #text, p{  
    color:#1B31A8  
}
```

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 #1B31A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B31A8
}
```

Border

The CSS property to change the border of an element to Hex 1B31A8 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
#1B31A8 }
```

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

```
.border{ border-color:#1B31A8 }
```

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

Here you see how a box with a 4 pixel #1B31A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B31A8; -webkit-box-shadow:4px 4px  
4px 4px #1B31A8; box-shadow:4px 4px 4px  
4px #1B31A8 }
```

Background

The CSS property to change the background color of an element to Hex 1B31A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B31A8 }
```

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

```
.background{ background-color:#1B31A8 }
```

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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