

Converting Colors

Hex(1B20B1)

Have a look what the booklet for
Hex(1B20B1) contains.

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Color

Hex(1B20B1)

Conversions

Conversions Part 1

Format	Color
Hex	1B20B1
RGB	27, 32, 177
RGB Percent	11%, 13%, 69%
CMY	0.8941, 0.8745, 0.3059
CMYK	0.85, 0.82, 0.00, 0.31
HSL	238°, 74%, 40%
HSV	238°, 85%, 69%
XYZ	8.9043, 4.4404, 41.9827
YIQ	47.0350, -49.5250, 44.0350

Conversions

Conversions Part 2

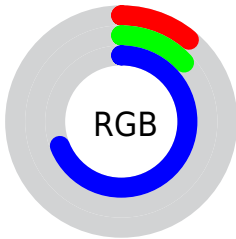
Format	Color
R _Y B	27, 32, 177
Decimal	1777841
CIE Lab	25.08, 50.03, -74.75
CIE LCh	25, 89.945, 303.796
Yxy	4.4404, 0.1609, 0.0803
Android (android.graphics.Color)	4279967921 (0xFF1B20B1)
YUV	47.0350, 64.0727, -17.5707
Hunter-Lab	21.0722, 38.5512, -103.3748

Details

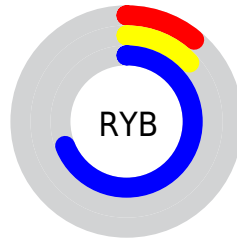
The Hex color **1B20B1** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **B1AC1B**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **6850EA**, and **00007B** is the 20% darker color. If you saturate the color by 10%, you get **090FB1**, and if you desaturate by 10%, it is **2D31B1**.

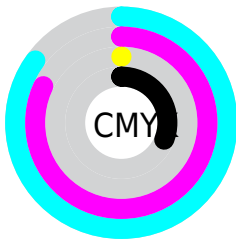
Distribution



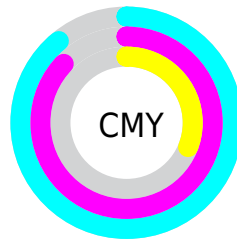
- Red (11%)
- Green (13%)
- Blue (69%)



- Red (11%)
- Yellow (13%)
- Blue (69%)



- Cyan (85%)
- Magenta (82%)
- Yellow (0%)
- Black (31%)



- Cyan (89%)
- Magenta (87%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B20B1 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 1B20B1 by changing the saturation by 10% instead.

■ 1B20B1

■ 1B20B1

FFFFFF

■ 000795

■ 6850EA

■ 00007B

■ 8769FF

■ 000061

■ A583FF

■ 000848

■ C39DFF

■ 000430

■ E2B9FF

■ 00011B

■ FFD5FF

■ 000000

■ FFF1FF

■ 1B20B1

■ 1B20B1

■ 090FB1

■ 2D31B1

■ 0006B1

■ 3E42B1

■ 5053B1

■ 6264B1

■ 7376B1

■ 8587B1

■ 9798B1

■ A9A9B1

■ BABAB1

Harmonies

Analogous

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



0046CA



1B20B1



8C0079

Triad

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



1B20B1



761600



005143

Complementary

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



1B20B1



B1AC1B

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.



004E00



1B20B1



423D00

Square

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



1B20B1



9A0000



004A00



005288

Rectangle

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



1B20B1



A2004D



004A00



00502B

Sweetspot

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



1B20B1



ACAEE6



1BB1AC



505173



F2F2F2



737373

Same Dimension

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



1B20B1



0008E6



611BB1



505159



000599



00011A

Inverse Universe

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



B11B20



E60008



6BB11B



595051



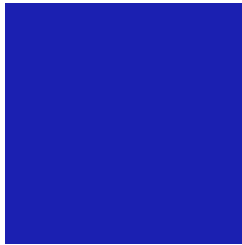
990005



1A0001

Previews

White Background



This preview shows how the Hex color 1B20B1 looks on a white background.

Color Contrast Check

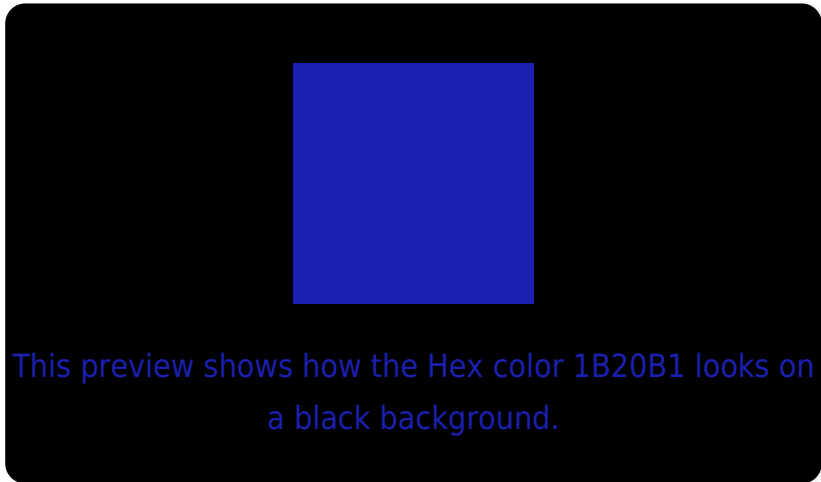
Large Text (above 18pt) WCAG AA ✓ Pass

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

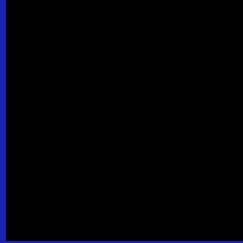
Any Text WCAG AA × Fail

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 1B20B1 Background



This preview shows how black text looks on a background with the Hex color 1B20B1.



This preview shows how white text looks on a background with the Hex color 1B20B1.

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
1B20B1

Protanopia
003A79

Deuteranopia
003E67

Trichromacy



Original Color
1B20B1

Protanomaly
0A318D

Deuteranomaly
0A3382

Tritanomaly
0A366D

Monochromacy



Original Color
1B20B1

Achromatopsia
2F2F2F

Achromatomaly
282A5E

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B20B1 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 #1B20B1 looks like.

```
.text, #text, p{  
    color:#1B20B1  
}
```

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 #1B20B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B20B1
}
```

Border

The CSS property to change the border of an element to Hex 1B20B1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

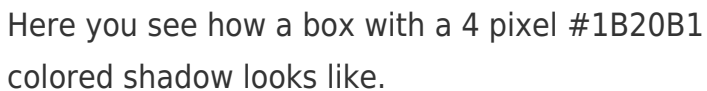
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B20B1 }
```

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

```
.border{ border-color:#1B20B1 }
```

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



Here you see how a box with a 4 pixel #1B20B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B20B1; -webkit-box-shadow:4px 4px  
4px 4px #1B20B1; box-shadow:4px 4px 4px  
4px #1B20B1 }
```

Background

The CSS property to change the background color of an element to Hex 1B20B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B20B1 }
```

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

```
.background{ background-color:#1B20B1 }
```

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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