

Converting Colors

Hex(1B2120)

Have a look what the booklet for
Hex(1B2120) contains.

Hex(1B2120)	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(1B2120)

Conversions

Conversions Part 1

Format	Color
Hex	1B2120
RGB	27, 33, 32
RGB Percent	11%, 13%, 13%
CMY	0.8941, 0.8706, 0.8745
CMYK	0.18, 0.00, 0.03, 0.87
HSL	170°, 10%, 12%
HSV	170°, 18%, 13%
XYZ	1.2566, 1.4250, 1.5753
YIQ	31.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

Format	Color
RYB	27, 30, 33
Decimal	1777952
CIELab	12.12, -2.99, -0.25
CIELCh	12, 3.003, 184.698
Yxy	1.4250, 0.2952, 0.3348
Android (android.graphics.Color)	4279968032 (0xFF1B2120)
YUV	31.0920, 0.4476, -3.5887
Hunter-Lab	11.9374, -2.1010, 0.5319

Details

The Hex color **1B2120** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **211B1C**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **464D4C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **18211F**, and if you desaturate by 10%, it is **1E2121**.

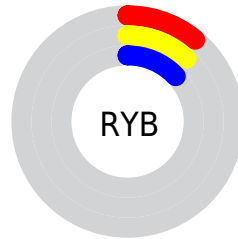
Distribution



Red (11%)

Green (13%)

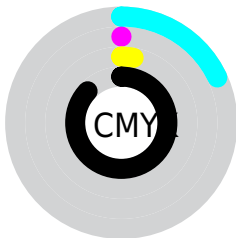
Blue (13%)



Red (11%)

Yellow (12%)

Blue (13%)

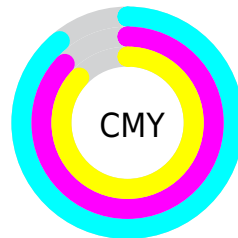


Cyan (18%)

Magenta (0%)

Yellow (3%)

Black (87%)



Cyan (89%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B2120 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 1B2120 by changing the saturation by 10% instead.

■ 1B2120

■ 1B2120

FFFFFF

■ 000A08

■ 464D4C

■ 000000

■ 5E6564

■ 777E7D

■ 909896

■ ABB3B1

■ C6CECD

■ E2EAE9

■ 1B2120

■ 1B2120

■ 18211F

■ 1E2121

■ 14211F

■ 222121

■ 11211E

■ 252122

■ 0E211E

■ 282122

■ 0B211D

■ 2C2123

■ 07211D

■ 2F2123

■ 04211C

■ 322124

■ 01211C

■ 352124

■ 00211B

■ 392125

Harmonies

Analogous

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



1D211E



1B2120



1B2122

Triad

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



1B2120



211F23



231F1C

Complementary

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



1B2120



211B1C

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.



241F1D



1B2120



231F22

Square

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



1B2120



1E2024



241E1F



21201C

Rectangle

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



1B2120



1B2123



241E1F



241F1C

Sweetspot

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



1B2120



292B2B



1C211B



161717



969696



171717

Same Dimension

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



1B2120



222B2A



1B1F21



0E0F0F



004F42



00CFAC

Inverse Universe

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



211B1C



2B2223



211D1B



0F0E0E



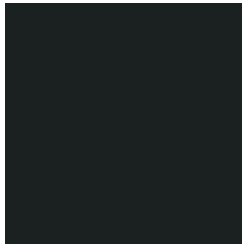
4F000D



CF0022

Previews

White Background



This preview shows how the Hex color 1B2120 looks on a white background.

Color Contrast Check

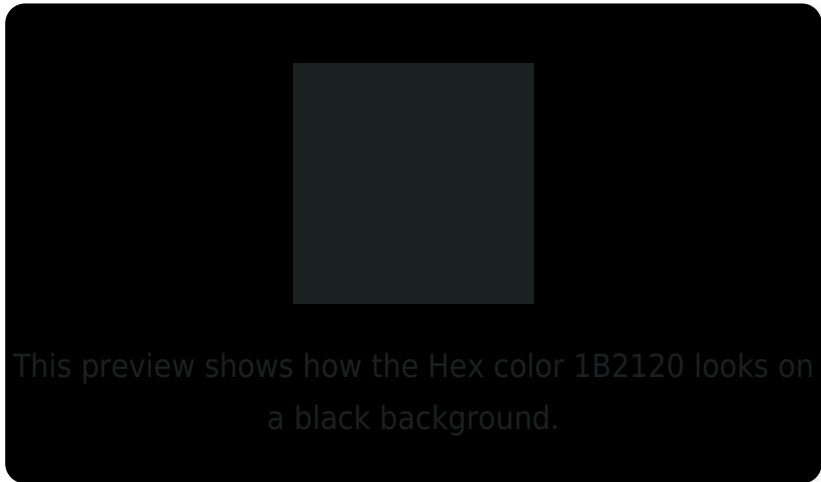
Large Text (above 18pt) WCAG AA ✓ Pass

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

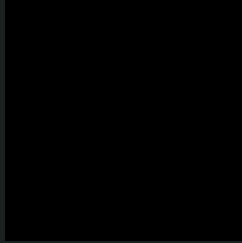
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

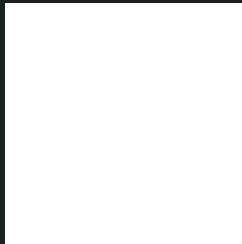
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 1B2120 Background



This preview shows how black text looks on a background with the Hex color 1B2120.

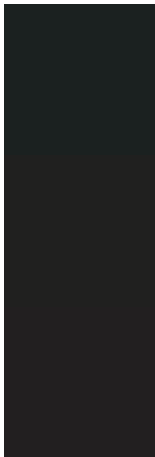


This preview shows how white text looks on a background with the Hex color 1B2120.

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
1B2120

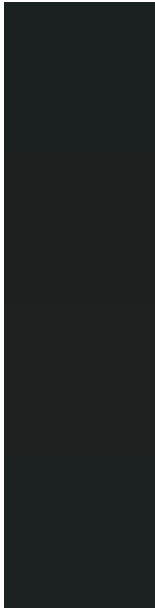
Protanopia
20201F

Deuteranopia
221F20



Tritanopia
1C2123

Trichromacy



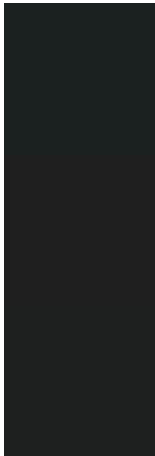
Original Color
1B2120

Protanomaly
1E201F

Deuteranomaly
1F2020

Tritanomaly
1C2122

Monochromacy



Original Color
1B2120

Achromatopsia
1F1F1F

Achromatomaly
1E201F

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B2120 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 #1B2120 looks like.

```
.text, #text, p{  
    color:#1B2120  
}
```

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 #1B2120 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B2120
}
```

Border

The CSS property to change the border of an element to Hex 1B2120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

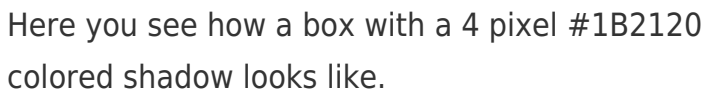
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B2120 }
```

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

```
.border{ border-color:#1B2120 }
```

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



Here you see how a box with a 4 pixel #1B2120 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B2120; -webkit-box-shadow:4px 4px  
4px 4px #1B2120; box-shadow:4px 4px 4px  
4px #1B2120 }
```

Background

The CSS property to change the background color of an element to Hex 1B2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B2120 }
```

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

```
.background{ background-color:#1B2120 }
```

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