

Converting Colors

Hex(18312A)

Have a look what the booklet for
Hex(18312A) contains.

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Color

Hex(18312A)

Conversions

Conversions Part 1

Format	Color
Hex	18312A
RGB	24, 49, 42
RGB Percent	9%, 19%, 16%
CMY	0.9059, 0.8078, 0.8353
CMYK	0.51, 0.00, 0.14, 0.81
HSL	163°, 34%, 14%
HSV	163°, 51%, 19%
XYZ	1.8929, 2.5580, 2.5845
YIQ	40.7270, -12.6530, -7.4770

Conversions

Conversions Part 2

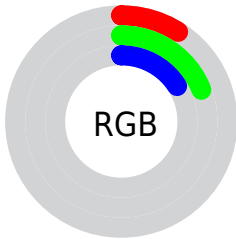
Format	Color
R_{YB}	24, 39, 49
Decimal	1585450
CIE _{Lab}	18.18, -11.79, 1.45
CIE _{LCh}	18, 11.882, 172.984
Yxy	2.5580, 0.2691, 0.3636
Android (android.graphics.Color)	4279775530 (0xFF18312A)
YUV	40.7270, 0.6276, -14.6696
Hunter-Lab	15.9937, -6.8628, 1.6148

Details

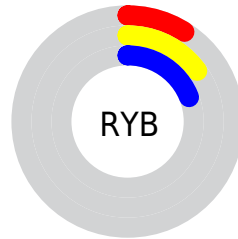
The Hex color **18312A** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **31181F**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **455F57**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **133129**, and if you desaturate by 10%, it is **1D312B**.

Distribution



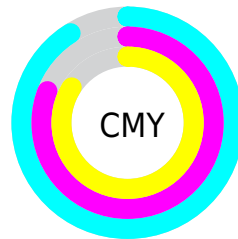
- Red (9%)
- Green (19%)
- Blue (16%)



- Red (9%)
- Yellow (15%)
- Blue (19%)



- Cyan (51%)
- Magenta (0%)
- Yellow (14%)
- Black (81%)



- Cyan (91%)
- Magenta (81%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 18312A 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 18312A by changing the saturation by 10% instead.

■ 18312A

■ 18312A

FFFFFF

■ 011C16

■ 455F57

■ 000000

■ 5D7870

■ 769289

■ 90ACA3

■ AAC8BE

■ C6E4DA

■ E2FFF7

■ 18312A

■ 18312A

■ 133129

■ 1D312B

■ 0E3127

■ 22312D

■ 093126

■ 27312E

■ 043125

■ 2C312F

■ 003123

■ 313131

■ 353132

■ 3A3134

■ 3F3135

■ 443136

Harmonies

Analogous

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



223022



18312A



113133

Triad

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



18312A



2B2B3C



3B281F

Complementary

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



18312A



31181F

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.



3E2626



18312A



352837

Square

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



18312A



1E2E3D



3C262F



342B1B

Rectangle

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



18312A



123038



3C262F



3C2721

Sweetspot

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



18312A



36403D



1F3118



1B211F



A1A1A1



212121

Same Dimension

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



18312A



194035



182C31



171A19



005940



00D99C

Inverse Universe

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



31181F



401924



311D18



1A1718



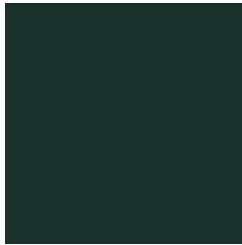
590019



D9003D

Previews

White Background



This preview shows how the Hex color 18312A looks on a white background.

Color Contrast Check

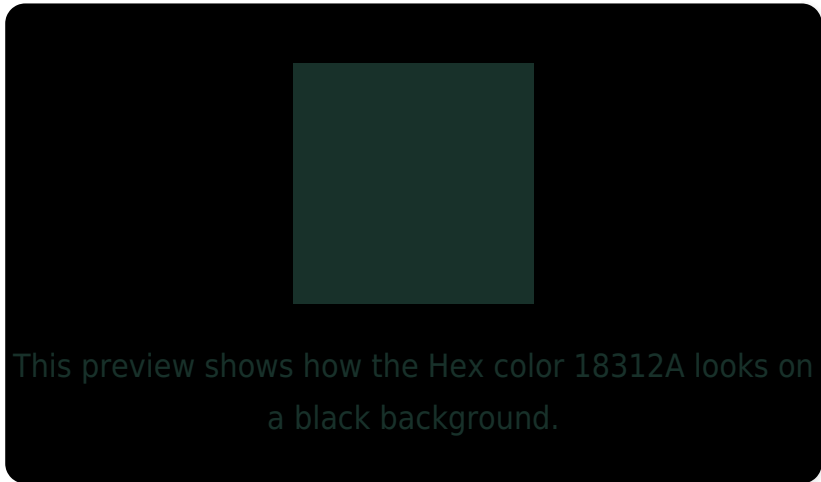
Large Text (above 18pt) WCAG AA ✓ Pass

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

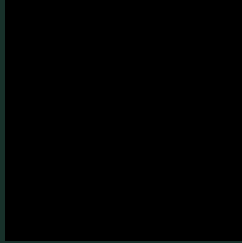
Any Text WCAG AA × Fail

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 18312A Background



This preview shows how black text looks on a background with the Hex color 18312A.



This preview shows how white text looks on a background with the Hex color 18312A.

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
18312A

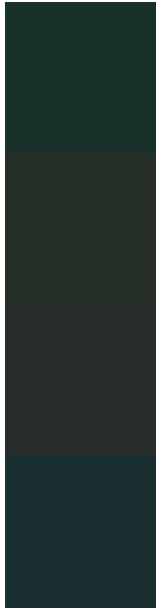
Protanopia
2E2C27

Deuteranopia
312B2B



Tritanopia
1B3034

Trichromacy



Original Color
18312A

Protanomaly
262E28

Deuteranomaly
282D2B

Tritanomaly
1A3030

Monochromacy



Original Color
18312A

Achromatopsia
292929

Achromatomaly
232C29

CSS Examples

Text

The CSS property to change the color of the text to Hex 18312A 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 #18312A looks like.

```
.text, #text, p{  
    color:#18312A  
}
```

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 #18312A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #18312A
}
```

Border

The CSS property to change the border of an element to Hex 18312A 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
#18312A }
```

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

```
.border{ border-color:#18312A }
```

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

Here you see how a box with a 4 pixel #18312A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #18312A; -webkit-box-shadow:4px 4px  
4px 4px #18312A; box-shadow:4px 4px 4px  
4px #18312A }
```

Background

The CSS property to change the background color of an element to Hex 18312A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#18312A }
```

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

```
.background{ background-color:#18312A }
```

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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