

# Converting Colors

Hex(2A1F30)

Have a look what the booklet for  
Hex(2A1F30) contains.

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# Color

**Hex(2A1F30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A1F30
RGB	42, 31, 48
RGB Percent	16%, 12%, 19%
CMY	0.8353, 0.8784, 0.8118
CMYK	0.13, 0.35, 0.00, 0.81
HSL	279°, 22%, 15%
HSV	279°, 35%, 19%
XYZ	1.9783, 1.6856, 3.0174
YIQ	36.2270, 1.0990, 7.6190

# Conversions

## Conversions Part 2

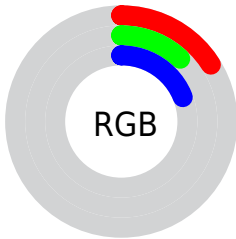
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 31, 48
Decimal	2760496
CIE <sub>Lab</sub>	13.74, 9.34, -9.24
CIE <sub>LCh</sub>	14, 13.139, 315.293
Yxy	1.6856, 0.2961, 0.2523
Android (android.graphics.Color)	4280950576 (0xFF2A1F30)
YUV	36.2270, 5.8041, 5.0629
Hunter-Lab	12.9831, 4.4789, -4.6913

# Details

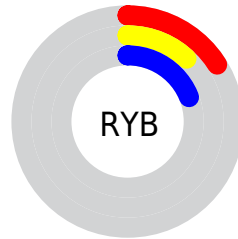
The Hex color **2A1F30** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25301F**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **584B5E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **281A30**, and if you desaturate by 10%, it is **2C2430**.

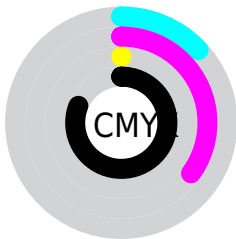
# Distribution



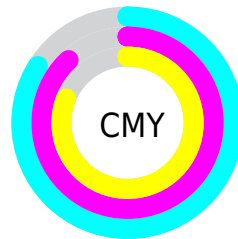
- Red (16%)
- Green (12%)
- Blue (19%)



- Red (16%)
- Yellow (12%)
- Blue (19%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (81%)



- Cyan (84%)
- Magenta (88%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A1F30 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 2A1F30 by changing the saturation by 10% instead.



■ 2A1F30

■ 2A1F30

FFFFFF

■ 16071B

■ 584B5E

■ 000000

■ 706377

■ 8A7C90

■ A496AB

■ BFB0C6

■ DBCCE2

■ F7E8FF

■ 2A1F30

■ 2A1F30

■ 281A30

■ 2C2430

■ 271530

■ 2D2930

■ 251130

■ 2F2D30

■ 230C30

■ 313230

■ 220730

■ 323730

■ 200230

■ 343C30

■ 1F0030

■ 364130

■ 384530

■ 394A30

# Harmonies

## Analogous

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



1D2235



2A1F30



321C28

# Triad

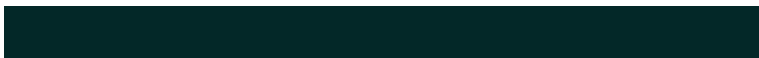
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2A1F30



2D2111



032828

# Complementary

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



2A1F30



25301F

# 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.



0E281E



2A1F30



252411

# Square

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



2A1F30



331E16



1A2616



012730

# Rectangle

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



2A1F30



351C22



1A2616



062824



# Sweetspot

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



2A1F30



3B363D



1F2530



1D1B1F



9E9E9E



1F1F1F



# Same Dimension

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



2A1F30



34233D



301F2E



161517



380057



8B00D6



# Inverse Universe

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



301F25



3D232C



1F3021



171515



57001F

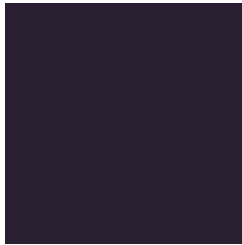


D6004C



# Previews

## White Background



This preview shows how the Hex color 2A1F30 looks on a white background.

## Color Contrast Check

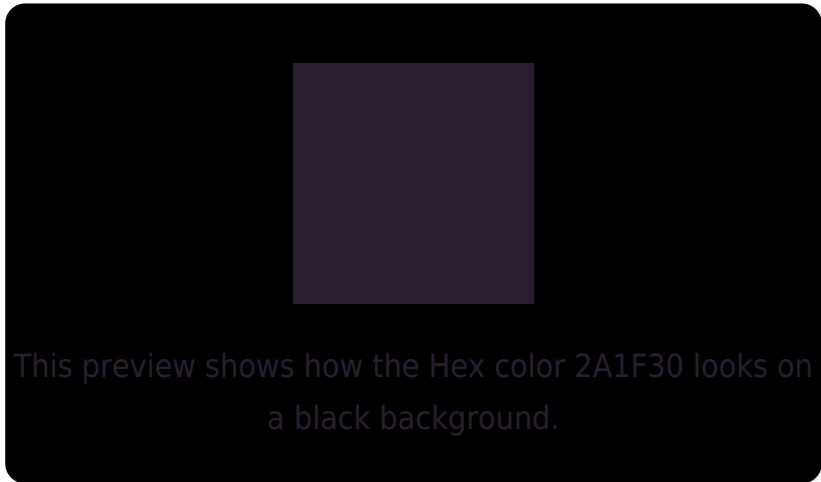
Large Text (above 18pt) WCAG AA ✓ Pass

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

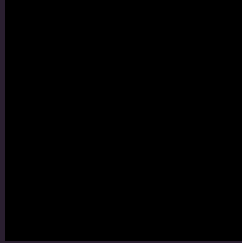
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A1F30 Background



This preview shows how black text looks on a background with the Hex color 2A1F30.



This preview shows how white text looks on a background with the Hex color 2A1F30.

# 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**

2A1F30

**Protanopia**

1E2333

**Deuteranopia**

20232F



**Tritanopia**  
282124

# Trichromacy



**Original Color**

2A1F30

**Protanomaly**

222232

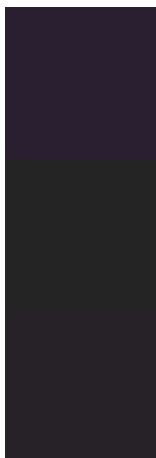
**Deuteranomaly**

24222F

**Tritanomaly**

292028

# Monochromacy



**Original Color**

2A1F30

**Achromatopsia**

242424

**Achromatomaly**

262228

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A1F30 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 #2A1F30 looks like.

```
.text, #text, p{  
    color:#2A1F30  
}
```

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 #2A1F30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A1F30
}
```

## Border

The CSS property to change the border of an element to Hex 2A1F30 is called "border". The border property can be set on classes, ids or directly on the HTML element.

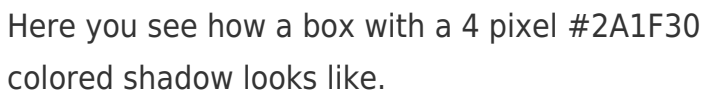
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A1F30 }
```

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

```
.border{ border-color:#2A1F30 }
```

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



Here you see how a box with a 4 pixel #2A1F30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A1F30; -webkit-box-shadow:4px 4px  
4px 4px #2A1F30; box-shadow:4px 4px 4px  
4px #2A1F30 }
```

# Background

The CSS property to change the background color of an element to Hex 2A1F30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A1F30 }
```

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

```
.background{ background-color:#2A1F30 }
```

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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