

# Converting Colors

Hex(301A23)

Have a look what the booklet for  
Hex(301A23) contains.

<b>Hex(301A23)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(301A23)**

# Conversions

Conversions Part 1	
Format	Color
Hex	301A23
RGB	48, 26, 35
RGB Percent	19%, 10%, 14%
CMY	0.8118, 0.8980, 0.8627
CMYK	0.00, 0.46, 0.27, 0.81
HSL	335°, 30%, 15%
HSV	335°, 46%, 19%
XYZ	1.8917, 1.4885, 1.7777
YIQ	33.6040, 10.2230, 7.4630

# Conversions

## Conversions Part 2

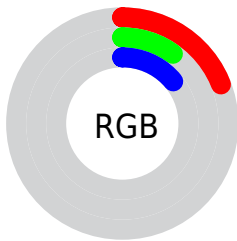
Format	Color
<a href="#">RYB</a>	<a href="#">48, 26, 35</a>
Decimal	<a href="#">3152419</a>
CIELab	<a href="#">12.53, 12.51, -1.54</a>
CIELCh	<a href="#">13, 12.600, 352.981</a>
Yxy	<a href="#">1.4885, 0.3668, 0.2886</a>
Android (android.graphics.Color)	<a href="#">4281342499</a> (0xFF301A23)
YUV	<a href="#">33.6040, 0.6882, 12.6253</a>
Hunter-Lab	<a href="#">12.2005, 6.3257, -0.0987</a>

# Details

The Hex color **301A23** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1A3027**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **5F464F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **301520**, and if you desaturate by 10%, it is **301F26**.

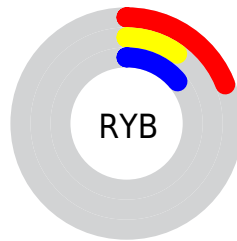
# Distribution



Red (19%)

Green (10%)

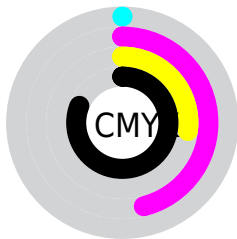
Blue (14%)



Red (19%)

Yellow (10%)

Blue (14%)

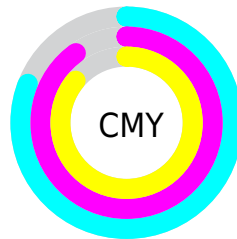


Cyan (0%)

Magenta (46%)

Yellow (27%)

Black (81%)



Cyan (81%)

Magenta (90%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 301A23 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 301A23 by changing the saturation by 10% instead.



 301A23

 301A23

FFFEFF

 1D000D

 5F464F

 000000

 785D67

 927680

 AC909A

 C8AAB5

 E4C6D1

 FFE2ED

 301A23

 301A23

 301520

 301F26

 30101D

 302429

 300C1A

 30282C

 300718

 302D2E

 300215

 303231

 300014

 303734

 303C37

 30403A

 30453D

# Harmonies

## Analogous

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



2A1C2B



301A23



321A1A

# Triad

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



301A23



202210



03242E

# Complementary

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



301A23



1A3027

# 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.



012527



301A23



152416

# Square

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



301A23



281F0E



0A251E



102232

# Rectangle

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



301A23



301B15



0A251E



01252C



# Sweetspot

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



301A23



3D3538



271A30



1F191C



9E9E9E



1F1F1F



# Same Dimension

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



301A23



3D1C29



301C1A



171516



570023



D60058



# Inverse Universe

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



301A23



3D1C29



1A2E30



171516



570023

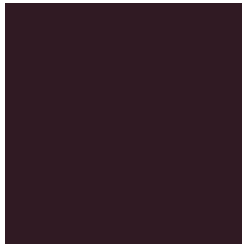


D60058



# Previews

## White Background



This preview shows how the Hex color 301A23 looks on a white background.

## Color Contrast Check

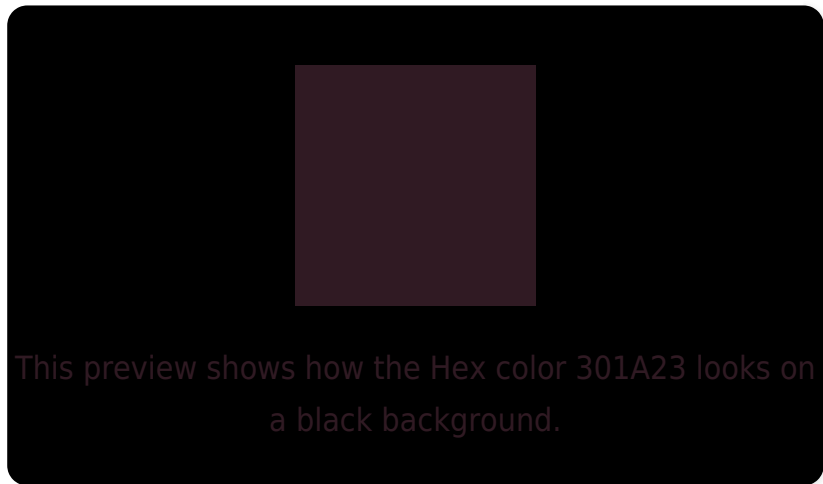
Large Text (above 18pt) WCAG AA ✓ Pass

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

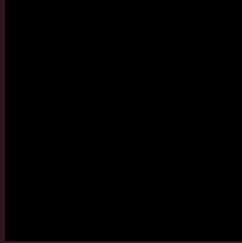
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 301A23 Background



This preview shows how black text looks on a background with the Hex color 301A23.

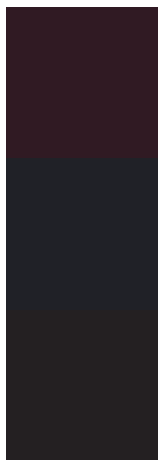


This preview shows how white text looks on a background with the Hex color 301A23.

# 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**

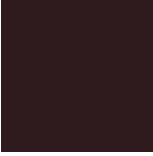
[301A23](#)

**Protanopia**

[202127](#)

**Deuteranopia**

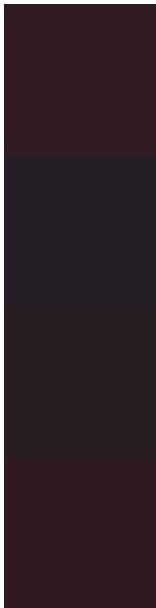
[242022](#)



# Tritanopia

## 2F1B1D

# Trichromacy



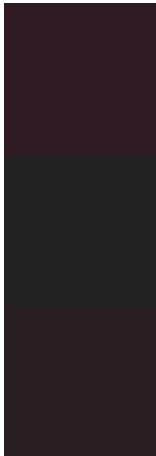
**Original Color**  
301A23

**Protanomaly**  
261E26

**Deuteranomaly**  
281E22

**Tritanomaly**  
2F1B1F

# Monochromacy



**Original Color**  
301A23

**Achromatopsia**  
222222

**Achromatomaly**  
271F22

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 301A23 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 #301A23 looks like.

```
.text, #text, p{  
    color:#301A23  
}
```

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 #301A23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #301A23
}
```

## Border

The CSS property to change the border of an element to Hex 301A23 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
#301A23 }
```

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

```
.border{ border-color:#301A23 }
```

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

Here you see how a box with a 4 pixel #301A23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #301A23; -webkit-box-shadow:4px 4px  
4px 4px #301A23; box-shadow:4px 4px 4px  
4px #301A23 }
```

# Background

The CSS property to change the background color of an element to Hex 301A23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#301A23 }
```

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

```
.background{ background-color:#301A23 }
```

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