

# Converting Colors

Hex(28111F)

Have a look what the booklet for  
Hex(28111F) contains.

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# Color

**Hex(28111F)**

# Conversions

Conversions Part 1	
Format	Color
Hex	28111F
RGB	40, 17, 31
RGB Percent	16%, 7%, 12%
CMY	0.8431, 0.9333, 0.8784
CMYK	0.00, 0.58, 0.22, 0.84
HSL	323°, 40%, 11%
HSV	323°, 57%, 16%
XYZ	1.3228, 0.9509, 1.4102
YIQ	25.4730, 9.2140, 9.2300

# Conversions

## Conversions Part 2

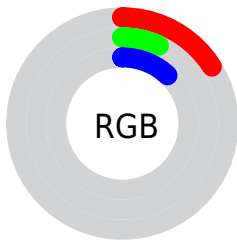
Format	Color
<a href="#">RYB</a>	<a href="#">40, 17, 31</a>
Decimal	<a href="#">2625823</a>
CIELab	<a href="#">8.58, 14.34, -4.60</a>
CIELCh	<a href="#">9, 15.058, 342.232</a>
Yxy	<a href="#">0.9509, 0.3591, 0.2581</a>
Android (android.graphics.Color)	<a href="#">4280815903</a> (0xFF28111F)
YUV	<a href="#">25.4730, 2.7248, 12.7402</a>
Hunter-Lab	<a href="#">9.7516, 7.1488, -1.7476</a>

# Details

The Hex color **28111F** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **11281A**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **563C4B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **280D1D**, and if you desaturate by 10%, it is **281521**.

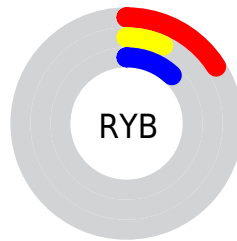
# Distribution



Red (16%)

Green (7%)

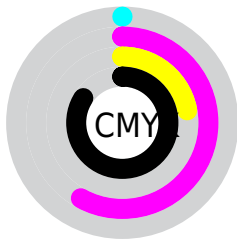
Blue (12%)



Red (16%)

Yellow (7%)

Blue (12%)

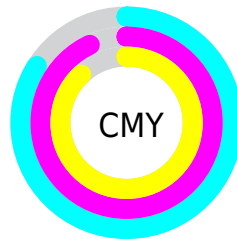


Cyan (0%)

Magenta (58%)

Yellow (22%)

Black (84%)



Cyan (84%)

Magenta (93%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28111F 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 28111F by changing the saturation by 10% instead.



 28111F

 28111F

 FFF2FF

 110006

 563C4B

 000000

 6F5363

 886B7B

 A38595

 BE9FB0

 DABACB

 F6D5E7

 28111F

 28111F

 280D1D

 281521

 28091C

 281922

 28051A

 281D24

 280119

 282125

 280018

 282527

 282928

 282D2A

 28312C

 28352D

# Harmonies

## Analogous

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



1F1428



28111F



2B1015

# Triad

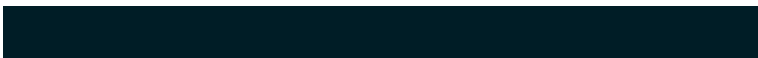
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28111F



1D1900



001D26

# Complementary

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



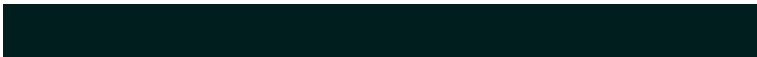
28111F



11281A

# 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.



001E1D



28111F



101C04

# Square

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



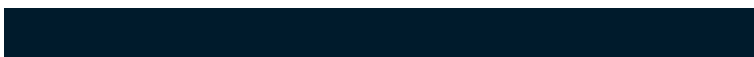
28111F



251600



001E12



001B2C

# Rectangle

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



28111F



2B110C



001E12



001E23



# Sweetspot

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



28111F



332A30



1A1128



1A1418



999999



1A1A1A



# Same Dimension

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



28111F



331025



281114



141214



540033



D40081



# Inverse Universe

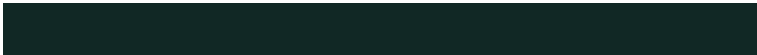
The Inverse Universe completely reimagines the original color for something new.



28111F



331025



112825



141214



540033

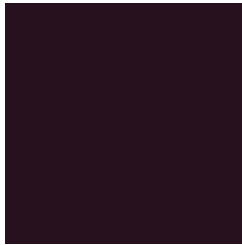


D40081



# Previews

## White Background



This preview shows how the Hex color 28111F looks on a white background.

## Color Contrast Check

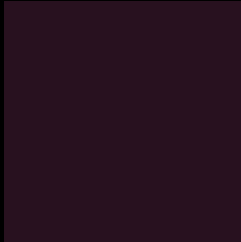
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



This preview shows how the Hex color 28111F looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

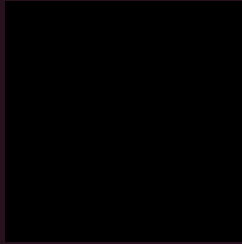
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 28111F Background



This preview shows how black text looks on a background with the Hex color 28111F.



This preview shows how white text looks on a background with the Hex color 28111F.

# 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](#).

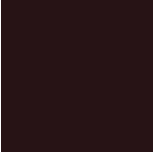
## Dichromacy



**Original Color**  
28111F

**Protanopia**  
161925

**Deuteranopia**  
1A191E



# Tritanopia

## 271315

# Trichromacy



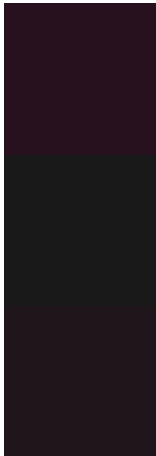
**Original Color**  
28111F

**Protanomaly**  
1D1623

**Deuteranomaly**  
1F161E

**Tritanomaly**  
271219

# Monochromacy



**Original Color**  
28111F

**Achromatopsia**  
191919

**Achromatomaly**  
1E161B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28111F 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 #28111F looks like.

```
.text, #text, p{  
    color:#28111F  
}
```

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 #28111F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28111F
}
```

## Border

The CSS property to change the border of an element to Hex 28111F 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
#28111F }
```

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

```
.border{ border-color:#28111F }
```

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

Here you see how a box with a 4 pixel #28111F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28111F; -webkit-box-shadow:4px 4px  
4px 4px #28111F; box-shadow:4px 4px 4px  
4px #28111F }
```

# Background

The CSS property to change the background color of an element to Hex 28111F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28111F }
```

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

```
.background{ background-color:#28111F }
```

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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