

Converting Colors

Hex(12101F)

Have a look what the booklet for
Hex(12101F) contains.

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Color

Hex(12101F)

Conversions

Conversions Part 1

Format	Color
Hex	12101F
RGB	18, 16, 31
RGB Percent	7%, 6%, 12%
CMY	0.9294, 0.9373, 0.8784
CMYK	0.42, 0.48, 0.00, 0.88
HSL	248°, 32%, 9%
HSV	248°, 48%, 12%
XYZ	0.6821, 0.5981, 1.3758
YIQ	18.3080, -3.6230, 5.0890

Conversions

Conversions Part 2

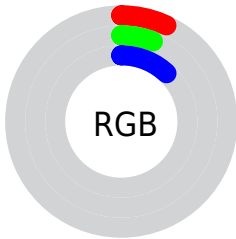
Format	Color
RYB	18, 16, 31
Decimal	1183775
CIELab	5.40, 4.65, -9.68
CIELCh	5, 10.742, 295.667
Yxy	0.5981, 0.2568, 0.2252
Android (android.graphics.Color)	4279373855 (0xFF12101F)
YUV	18.3080, 6.2572, -0.2701
Hunter-Lab	7.7338, 2.2085, -5.1340

Details

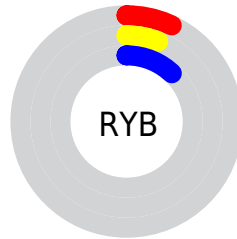
The Hex color **12101F** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **1D1F10**, and the grayscale version is **121212**.

A 20% lighter version of the original color is **3C3B4B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0F0D1F**, and if you desaturate by 10%, it is **15131F**.

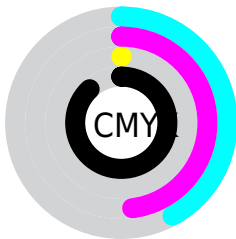
Distribution



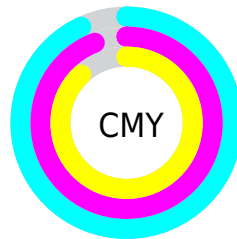
- Red (7%)
- Green (6%)
- Blue (12%)



- Red (7%)
- Yellow (6%)
- Blue (12%)



- Cyan (42%)
- Magenta (48%)
- Yellow (0%)
- Black (88%)



- Cyan (93%)
- Magenta (94%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12101F 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 12101F by changing the saturation by 10% instead.

 12101F

 12101F

 F2F0FF

 000004

 3C3B4B

 000000

 535163

 6C6A7C

 858395

 9F9DB0

 BAB8CB

 D6D3E8

 12101F

 12101F

■ 0F0D1F

■ 15131F

■ 0D0A1F

■ 17161F

■ 0A071F

■ 1A191F

■ 07041F

■ 1D1C1F

■ 05001F

■ 1F1F1F

■ 04001F

■ 22231F

■ 25261F

■ 27291F

■ 2A2C1F

Harmonies

Analogous

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



041320



12101F



1B0D1A

Triad

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



12101F



1F0E00



001710

Complementary

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



12101F



1D1F10

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.



041605



12101F



191100

Square

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



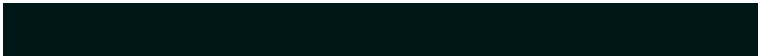
12101F



210C09



111400



001718

Rectangle

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



12101F



1E0C16



111400



00170D

Sweetspot

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



12101F



232329



101D1F



111114



949494



141414

Same Dimension

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



12101F



141129



1A101F



0E0E0F



0B004F



1C00CF

Inverse Universe

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



1F101D



291126



161F10



0F0E0F



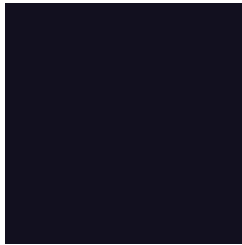
4F0045



CF00B3

Previews

White Background



This preview shows how the Hex color 12101F looks on a white background.

Color Contrast Check

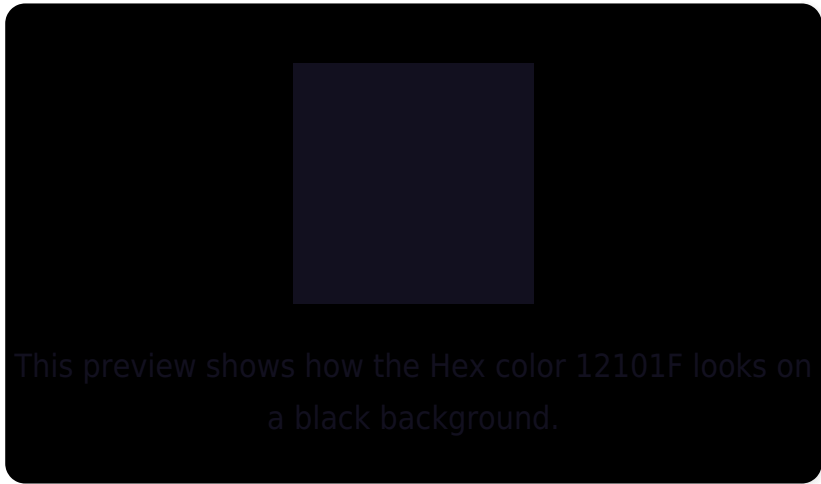
Large Text (above 18pt) WCAG AA ✓ Pass

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

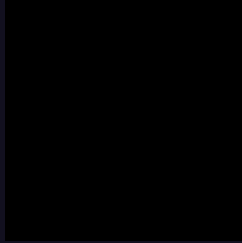
Any Text WCAG AA × Fail

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 12101F Background



This preview shows how black text looks on a background with the Hex color 12101F.



This preview shows how white text looks on a background with the Hex color 12101F.

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](#).

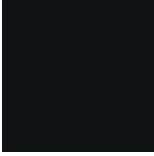
Dichromacy



Original Color
12101F

Protanopia
0B1221

Deuteranopia
09121F



Tritanopia
0F1314

Trichromacy



Original Color
12101F

Protanomaly
0E1120

Deuteranomaly
0C111F

Tritanomaly
101218

Monochromacy



Original Color
12101F

Achromatopsia
121212

Achromatomaly
121117

CSS Examples

Text

The CSS property to change the color of the text to Hex 12101F 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 #12101F looks like.

```
.text, #text, p{  
    color:#12101F  
}
```

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 #12101F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12101F
}
```

Border

The CSS property to change the border of an element to Hex 12101F is called "border". The border property can be set on classes, ids or directly on the HTML element.

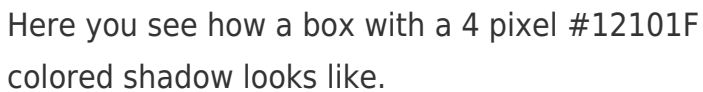
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#12101F }
```

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

```
.border{ border-color:#12101F }
```

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



Here you see how a box with a 4 pixel #12101F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12101F; -webkit-box-shadow:4px 4px  
4px 4px #12101F; box-shadow:4px 4px 4px  
4px #12101F }
```

Background

The CSS property to change the background color of an element to Hex 12101F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12101F }
```

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

```
.background{ background-color:#12101F }
```

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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