

Converting Colors

Hex(12221D)

Have a look what the booklet for
Hex(12221D) contains.

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Color

Hex(12221D)

Conversions

Conversions Part 1

Format	Color
Hex	12221D
RGB	18, 34, 29
RGB Percent	7%, 13%, 11%
CMY	0.9294, 0.8667, 0.8863
CMYK	0.47, 0.00, 0.15, 0.87
HSL	161°, 31%, 10%
HSV	161°, 47%, 13%
XYZ	1.0433, 1.3614, 1.3702
YIQ	28.6460, -7.9310, -4.9470

Conversions

Conversions Part 2

Format	Color
R_YB	18, 27, 34
Decimal	1188381
CIE Lab	11.70, -8.27, 1.24
CIE LCh	12, 8.361, 171.502
Yxy	1.3614, 0.2764, 0.3606
Android (android.graphics.Color)	4279378461 (0xFF12221D)
YUV	28.6460, 0.1745, -9.3365
Hunter-Lab	11.6677, -4.4583, 1.2048

Details

The Hex color **12221D** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **221217**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **3D4E48**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0F221C**, and if you desaturate by 10%, it is **15221E**.

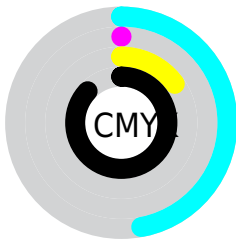
Distribution



- Red (7%)
- Green (13%)
- Blue (11%)



- Red (7%)
- Yellow (11%)
- Blue (13%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (87%)



- Cyan (93%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12221D 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 12221D by changing the saturation by 10% instead.

■ 12221D

■ 12221D

■ F3FFFF

■ 000C03

■ 3D4E48

■ 000000

■ 546660

■ 6D7F79

■ 869993

■ A0B4AD

■ BBD0C8

■ D7ECE4

■ 12221D

■ 12221D

■ 0F221C

■ 15221E

■ 0B221B

■ 19221F

■ 08221A

■ 1C2220

■ 042219

■ 202221

■ 012218

■ 232222

■ 002217

■ 262223

■ 2A2224

■ 2D2226

■ 312227

Harmonies

Analogous

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



182118



12221D



0E2223

Triad

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



12221D



1E1E29



291C16

Complementary

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



12221D



221217

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.



2B1B1B



12221D



251C26

Square

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



12221D



16202A



291B21



251E14

Rectangle

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



12221D



0E2226



291B21



2A1C18

Sweetspot

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



12221D



252B29



172212



131716



969696



171717

Same Dimension

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



12221D



132B24



121F22



101211



005238



00D190

Inverse Universe

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



221217



2B131B



221512



121011



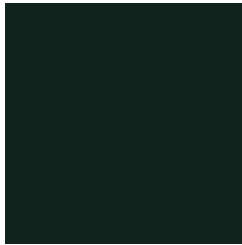
52001A



D10041

Previews

White Background



This preview shows how the Hex color 12221D looks on a white background.

Color Contrast Check

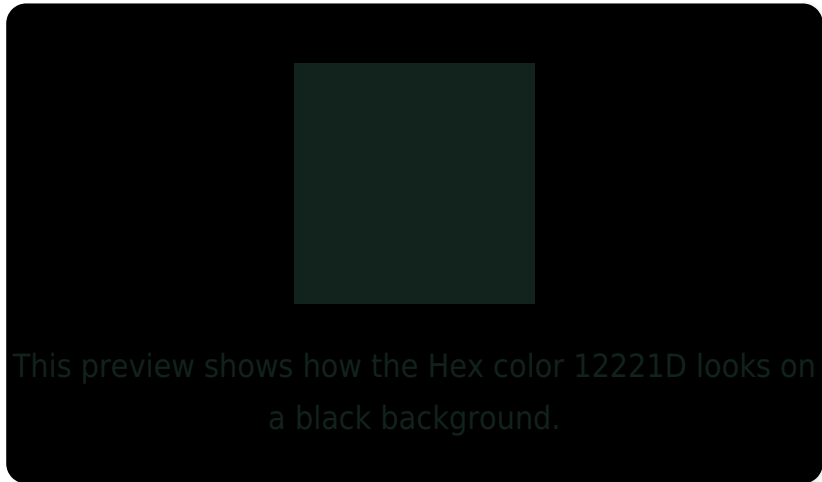
Large Text (above 18pt) WCAG AA ✓ Pass

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

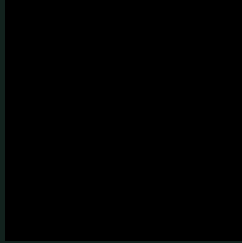
Any Text WCAG AA × Fail

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 12221D Background



This preview shows how black text looks on a background with the Hex color 12221D.

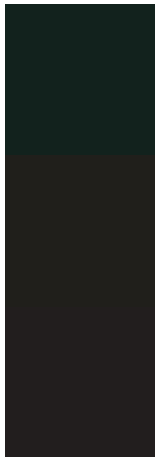


This preview shows how white text looks on a background with the Hex color 12221D.

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
12221D

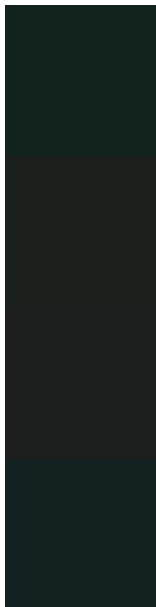
Protanopia
201F1B

Deuteranopia
221E1E



Tritanopia
142124

Trichromacy



Original Color

12221D

Protanomaly

1B201C

Deuteranomaly

1C1F1E

Tritanomaly

132121

Monochromacy



Original Color

12221D

Achromatopsia

1D1D1D

Achromatomaly

191F1D

CSS Examples

Text

The CSS property to change the color of the text to Hex 12221D 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 #12221D looks like.

```
.text, #text, p{  
    color:#12221D  
}
```

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 #12221D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12221D
}
```

Border

The CSS property to change the border of an element to Hex 12221D 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
#12221D }
```

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

```
.border{ border-color:#12221D }
```

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

Here you see how a box with a 4 pixel #12221D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12221D; -webkit-box-shadow:4px 4px  
4px 4px #12221D; box-shadow:4px 4px 4px  
4px #12221D }
```

Background

The CSS property to change the background color of an element to Hex 12221D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12221D }
```

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

```
.background{ background-color:#12221D }
```

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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