

Converting Colors

Hex(12231E)

Have a look what the booklet for
Hex(12231E) contains.

Hex(12231E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(12231E)

Conversions

Conversions Part 1

Format	Color
Hex	12231E
RGB	18, 35, 30
RGB Percent	7%, 14%, 12%
CMY	0.9294, 0.8627, 0.8824
CMYK	0.49, 0.00, 0.14, 0.86
HSL	162°, 32%, 10%
HSV	162°, 49%, 14%
XYZ	1.0848, 1.4244, 1.4461
YIQ	29.3470, -8.5270, -5.1590

Conversions

Conversions Part 2

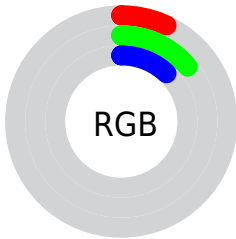
Format	Color
RYB	18, 28, 35
Decimal	1188638
CIELab	12.12, -8.63, 1.12
CIElCh	12, 8.700, 172.614
Yxy	1.4244, 0.2743, 0.3601
Android (android.graphics.Color)	4279378718 (0xFF12231E)
YUV	29.3470, 0.3219, -9.9513
Hunter-Lab	11.9348, -4.6610, 1.1706

Details

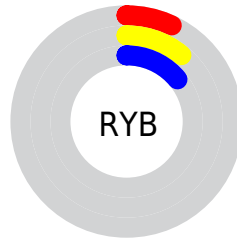
The Hex color **12231E** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **231217**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **3D4F4A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **0F231D**, and if you desaturate by 10%, it is **15231F**.

Distribution



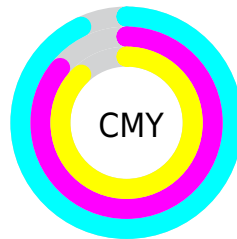
- Red (7%)
- Green (14%)
- Blue (12%)



- Red (7%)
- Yellow (11%)
- Blue (14%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (86%)



- Cyan (93%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12231E 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 12231E by changing the saturation by 10% instead.

 12231E

 12231E

 F4FFFF

 000E05

 3D4F4A

 000000

 546861

 6D817A

 869B94

 A0B5AE

 BBD1CA

 D7EDE6

 12231E

 12231E

■ 0F231D

■ 15231F

■ 0B231C

■ 192320

■ 07231B

■ 1D2321

■ 04231A

■ 202322

■ 002319

■ 242323

■ 272324

■ 2B2325

■ 2E2326

■ 322327

Harmonies

Analogous

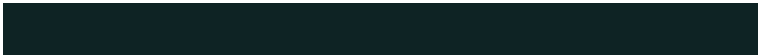
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



182218



12231E



0E2324

Triad

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



12231E



1F1F2B



2A1D16

Complementary

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



12231E



231217

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.



2C1C1B



12231E



261D27

Square

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



12231E



16212B



2B1C21



251F14

Rectangle

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



12231E



0E2328



2B1C21



2B1C18

Sweetspot

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



12231E



272E2C



172312



131716



969696



171717

Same Dimension

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



12231E



132E26



122023



101211



00523A



00D194

Inverse Universe

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



231217



2E131B



231512



121011



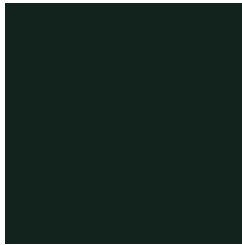
520018



D1003D

Previews

White Background



This preview shows how the Hex color 12231E looks on a white background.

Color Contrast Check

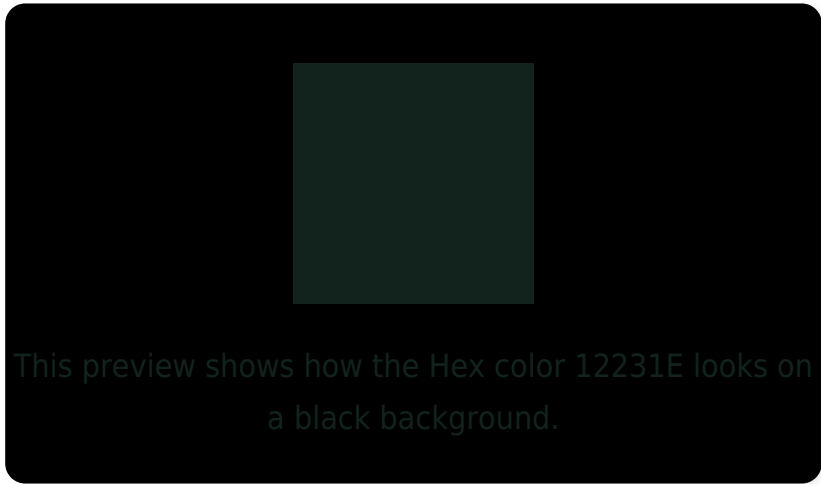
Large Text (above 18pt) WCAG AA ✓ Pass

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

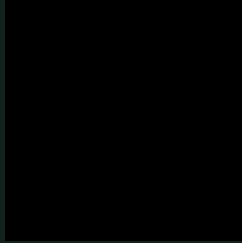
Any Text WCAG AA × Fail

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 12231E Background



This preview shows how black text looks on a background with the Hex color 12231E.



This preview shows how white text looks on a background with the Hex color 12231E.

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
12231E

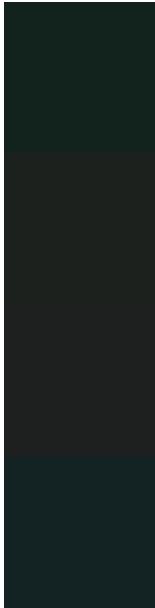
Protanopia
21201C

Deuteranopia
231F1F



Tritanopia
142225

Trichromacy



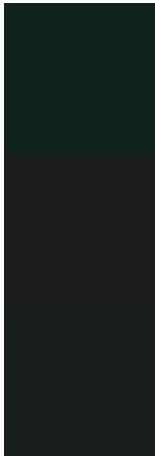
Original Color
12231E

Protanomaly
1C211D

Deuteranomaly
1D201F

Tritanomaly
132222

Monochromacy



Original Color
12231E

Achromatopsia
1D1D1D

Achromatomaly
191F1D

CSS Examples

Text

The CSS property to change the color of the text to Hex 12231E 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 #12231E looks like.

```
.text, #text, p{  
    color:#12231E  
}
```

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 #12231E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12231E
}
```

Border

The CSS property to change the border of an element to Hex 12231E 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
#12231E }
```

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

```
.border{ border-color:#12231E }
```

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

Here you see how a box with a 4 pixel #12231E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12231E; -webkit-box-shadow:4px 4px  
4px 4px #12231E; box-shadow:4px 4px 4px  
4px #12231E }
```

Background

The CSS property to change the background color of an element to Hex 12231E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12231E }
```

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

```
.background{ background-color:#12231E }
```

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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