

Converting Colors

Hex(02170C)

Have a look what the booklet for
Hex(02170C) contains.

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Color

Hex(02170C)

Conversions

Conversions Part 1

Format	Color
Hex	02170C
RGB	2, 23, 12
RGB Percent	1%, 9%, 5%
CMY	0.9922, 0.9098, 0.9529
CMYK	0.91, 0.00, 0.48, 0.91
HSL	149°, 84%, 5%
HSV	149°, 91%, 9%
XYZ	0.3978, 0.6522, 0.4528
YIQ	15.4670, -8.9850, -7.8730

Conversions

Conversions Part 2

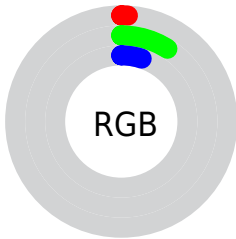
Format	Color
R_{YB}	2, 16, 23
Decimal	136972
CIE Lab	5.89, -9.10, 3.68
CIE LCh	6, 9.817, 157.970
Yxy	0.6522, 0.2647, 0.4340
Android (android.graphics.Color)	4278327052 (0xFF02170C)
YUV	15.4670, -1.7092, -11.8106
Hunter-Lab	8.0762, -5.3412, 2.3295

Details

The Hex color **02170C** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **17020D**, and the grayscale version is **0F0F0F**.

A 20% lighter version of the original color is **304137**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **00170B**, and if you desaturate by 10%, it is **04170D**.

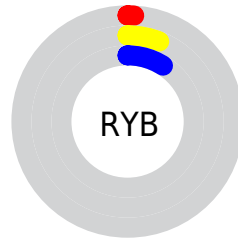
Distribution



Red (1%)

Green (9%)

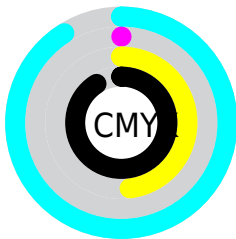
Blue (5%)



Red (1%)

Yellow (6%)

Blue (9%)

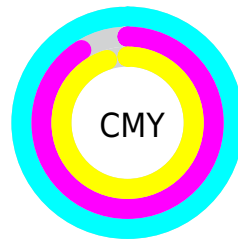


Cyan (91%)

Magenta (0%)

Yellow (48%)

Black (91%)



Cyan (99%)

Magenta (91%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02170C 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 02170C by changing the saturation by 10% instead.

■ 02170C

■ 02170C

■ E3F8EC

■ 000000

■ 304137

■ 47584E

■ 5F7166

■ 788A7F

■ 91A599

■ ACC0B4

■ C7DCD0

■ 02170C

■ 02170C

■ 00170B

■ 04170D

■ 07170E

■ 091710

■ 0B1711

■ 0E1712

■ 101713

■ 121714

■ 141716

■ 171717

Harmonies

Analogous

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



0E1502



02170C



001815

Triad

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



02170C



0D1320



200E07

Complementary

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



02170C



17020D

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.



200D11



02170C



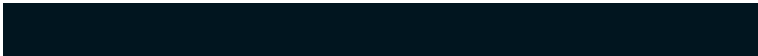
17101E

Square

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



02170C



01151F



1D0E18



1D1000

Rectangle

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



02170C



001719



1D0E18



210E0B

Sweetspot

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



02170C



161F1A



0D1702



0A0F0D



8F8F8F



0F0F0F

Same Dimension

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



02170C



001F0F



021716



0B0D0C



004D24



00CC61

Inverse Universe

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



17020D



1F0010



170203



0D0B0C



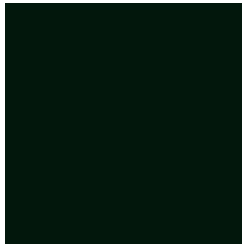
4D0028



CC006B

Previews

White Background



This preview shows how the Hex color 02170C looks on a white background.

Color Contrast Check

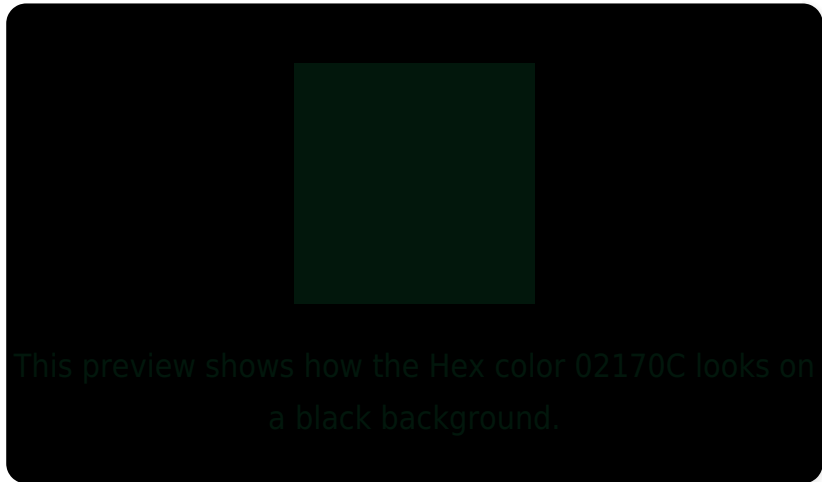
Large Text (above 18pt) WCAG AA ✓ Pass

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

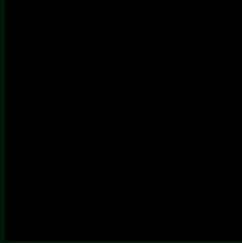
Any Text WCAG AA × Fail

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 02170C Background



This preview shows how black text looks on a background with the Hex color 02170C.



This preview shows how white text looks on a background with the Hex color 02170C.

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
02170C

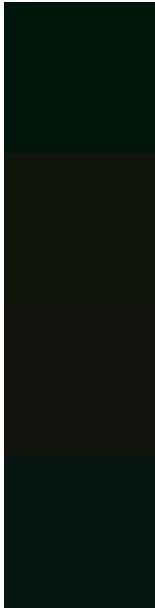
Protanopia
16140B

Deuteranopia
18130D



Tritanopia
091617

Trichromacy



Original Color
02170C

Protanomaly
0F150B

Deuteranomaly
10140D

Tritanomaly
061613

Monochromacy



Original Color
02170C

Achromatopsia
0F0F0F

Achromatomaly
0A120E

CSS Examples

Text

The CSS property to change the color of the text to Hex 02170C 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 #02170C looks like.

```
.text, #text, p{  
    color:#02170C  
}
```

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 #02170C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02170C
}
```

Border

The CSS property to change the border of an element to Hex 02170C is called "border". The border property can be set on classes, ids or directly on the HTML element.

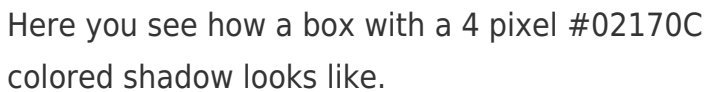
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#02170C }
```

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

```
.border{ border-color:#02170C }
```

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



Here you see how a box with a 4 pixel #02170C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02170C; -webkit-box-shadow:4px 4px  
4px 4px #02170C; box-shadow:4px 4px 4px  
4px #02170C }
```

Background

The CSS property to change the background color of an element to Hex 02170C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02170C }
```

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

```
.background{ background-color:#02170C }
```

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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