

Converting Colors

Hex(020717)

Have a look what the booklet for
Hex(020717) contains.

Hex(020717)	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(020717)

Conversions

Conversions Part 1

Format	Color
Hex	020717
RGB	2, 7, 23
RGB Percent	1%, 3%, 9%
CMY	0.9922, 0.9725, 0.9098
CMYK	0.91, 0.70, 0.00, 0.91
HSL	226°, 84%, 5%
HSV	226°, 91%, 9%
XYZ	0.2557, 0.2267, 0.8409
YIQ	7.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

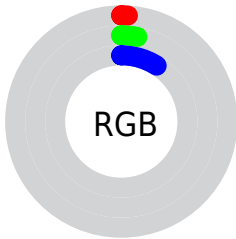
Format	Color
RYB	2, 6, 23
Decimal	132887
CIELab	2.05, 1.65, -8.50
CIELCh	2, 8.655, 280.961
Yxy	0.2267, 0.1932, 0.1713
Android (android.graphics.Color)	4278322967 (0xFF020717)
YUV	7.3290, 7.7258, -4.6735
Hunter-Lab	4.7616, 1.2517, -7.1376

Details

The Hex color **020717** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **171202**, and the grayscale version is **070707**.

A 20% lighter version of the original color is **313541**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **000517**, and if you desaturate by 10%, it is **040917**.

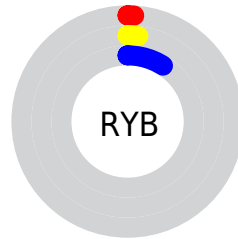
Distribution



Red (1%)

Green (3%)

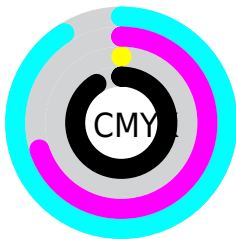
Blue (9%)



Red (1%)

Yellow (2%)

Blue (9%)

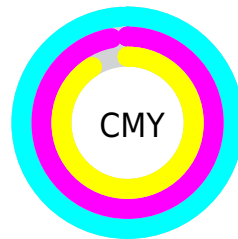


Cyan (91%)

Magenta (70%)

Yellow (0%)

Black (91%)



Cyan (99%)

Magenta (97%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 020717 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 020717 by changing the saturation by 10% instead.

■ 020717

■ 020717

■ E3E8F8

■ 000000

■ 313541

■ 474B59

■ 5F6371

■ 787C8B

■ 9196A5

■ ACB0C0

■ C7CCDC

■ 020717

■ 020717

■ 000517

■ 040917

■ 070B17

■ 090C17

■ 0B0E17

■ 0E1017

■ 101217

■ 121317

■ 141517

■ 171717

Harmonies

Analogous

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



000A16



020717



0E0414

Triad

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



020717



170200



000D00

Complementary

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



020717



171202

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.



000B00



020717



110500

Square

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



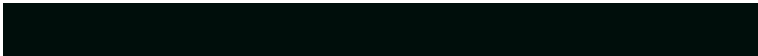
020717



190104



070800



000E0B

Rectangle

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



020717



140211



070800



000D00

Sweetspot

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



020717



16181F



021712



0A0C0F



8F8F8F



0F0F0F

Same Dimension

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



020717



00071F



070217



0B0C0D



00124D



0031CC

Inverse Universe

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



170207



1F0007



121702



0D0B0C



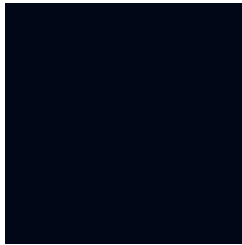
4D0012



CC0031

Previews

White Background



This preview shows how the Hex color 020717 looks on a white background.

Color Contrast Check

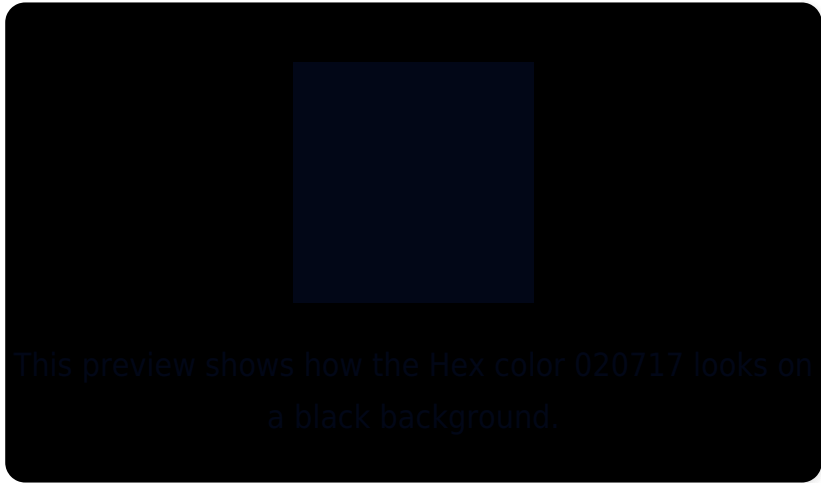
Large Text (above 18pt) WCAG AA ✓ Pass

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

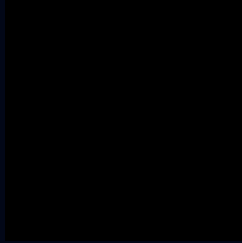
Any Text WCAG AA × Fail

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 020717 Background



This preview shows how black text looks on a background with the Hex color 020717.



This preview shows how white text looks on a background with the Hex color 020717.

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
020717

Protanopia
000912

Deuteranopia
00090F



Tritanopia
000A0A

Trichromacy



Original Color
020717

Protanomaly
010814

Deuteranomaly
010812

Tritanomaly
01090F

Monochromacy



Original Color
020717

Achromatopsia
070707

Achromatomaly
05070D

CSS Examples

Text

The CSS property to change the color of the text to Hex 020717 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 #020717 looks like.

```
.text, #text, p{  
    color:#020717  
}
```

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 #020717 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #020717
}
```

Border

The CSS property to change the border of an element to Hex 020717 is called "border". The border property can be set on classes, ids or directly on the HTML element.

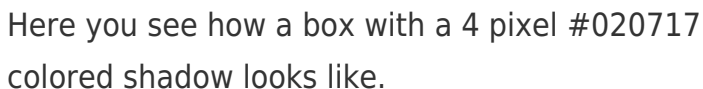
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#020717 }
```

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

```
.border{ border-color:#020717 }
```

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



Here you see how a box with a 4 pixel #020717 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #020717; -webkit-box-shadow:4px 4px  
4px 4px #020717; box-shadow:4px 4px 4px  
4px #020717 }
```

Background

The CSS property to change the background color of an element to Hex 020717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#020717 }
```

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

```
.background{ background-color:#020717 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor