

# Converting Colors

Hex(020107)

Have a look what the booklet for  
Hex(020107) contains.

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# Color

**Hex(020107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	020107
RGB	2, 1, 7
RGB Percent	1%, 0%, 3%
CMY	0.9922, 0.9961, 0.9725
CMYK	0.71, 0.86, 0.00, 0.97
HSL	250°, 75%, 2%
HSV	250°, 86%, 3%
XYZ	0.0742, 0.0500, 0.2067
YIQ	1.9830, -1.3300, 2.0780

# Conversions

## Conversions Part 2

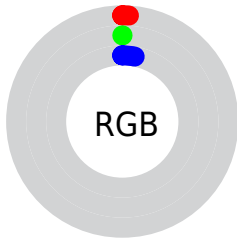
Format	Color
R <sub>Y</sub> B	2, 1, 7
Decimal	131335
CIE Lab	0.45, 1.10, -2.18
CIE LCh	0, 2.439, 296.704
Yxy	0.0500, 0.2243, 0.1509
Android (android.graphics.Color)	4278321415 (0xFF020107)
YUV	1.9830, 2.4734, 0.0149
Hunter-Lab	2.2350, 2.0177, -3.9198

# Details

The Hex color **020107** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **060701**, and the grayscale version is **020202**.

A 20% lighter version of the original color is **313134**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **010007**, and if you desaturate by 10%, it is **030207**.

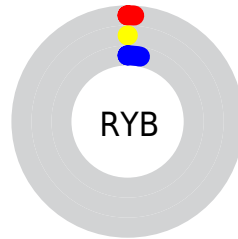
# Distribution



Red (1%)

Green (0%)

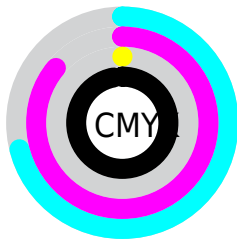
Blue (3%)



Red (1%)

Yellow (0%)

Blue (3%)

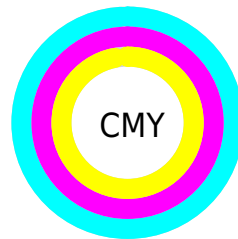


Cyan (71%)

Magenta (86%)

Yellow (0%)

Black (97%)



Cyan (99%)

Magenta (100%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 020107 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 020107 by changing the saturation by 10% instead.



■ 020107

■ 020107

■ E4E3E8

■ 000000

■ 313134

■ 48474B

■ 605F63

■ 78787C

■ 929196

■ ADACB0

■ C8C7CC

■ 020107

■ 020107

■ 010007

■ 030207

■ 040307

■ 040407

■ 050507

■ 060507

■ 060607

■ 070707

# Harmonies

## Analogous

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



000208



020107



050005

# Triad

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



020107



060100



000301

# Complementary

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



020107



060701

# 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.



000300



020107



030100

# Square

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



020107



080000



000200



000304

# Rectangle

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



020107



070003



000200



000300



# Sweetspot

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



020107



08080A



010607



040405



858585



050505



# Same Dimension

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



020107



02000A



050107



020203



0B0042



2000C2



# Inverse Universe

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



070106



0A0009



030701



030203



420037



C200A2



# Previews

## White Background



This preview shows how the Hex color 020107 looks on a white background.

## Color Contrast Check

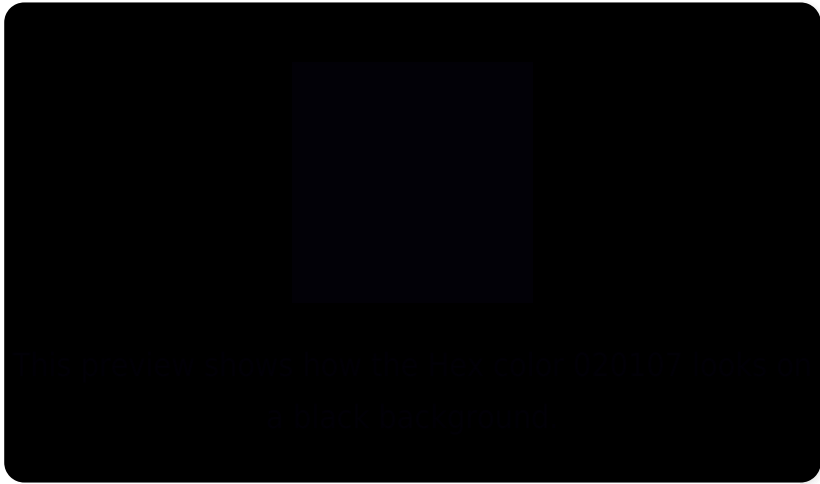
Large Text (above 18pt) WCAG AA ✓ Pass

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

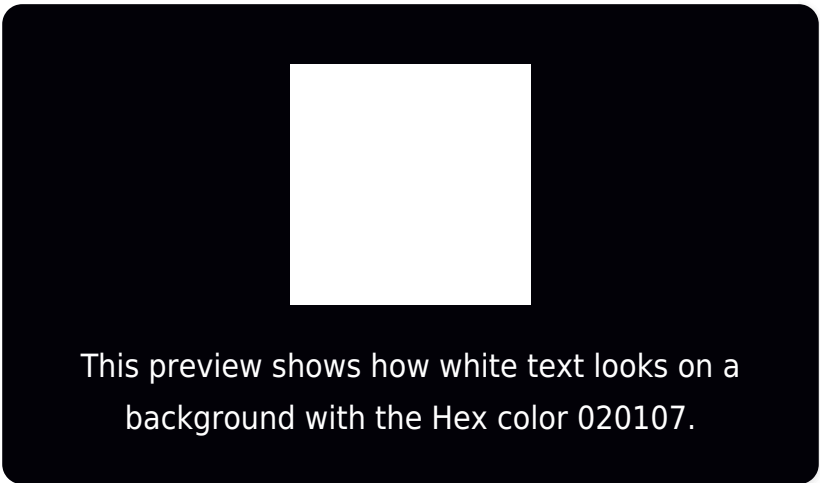
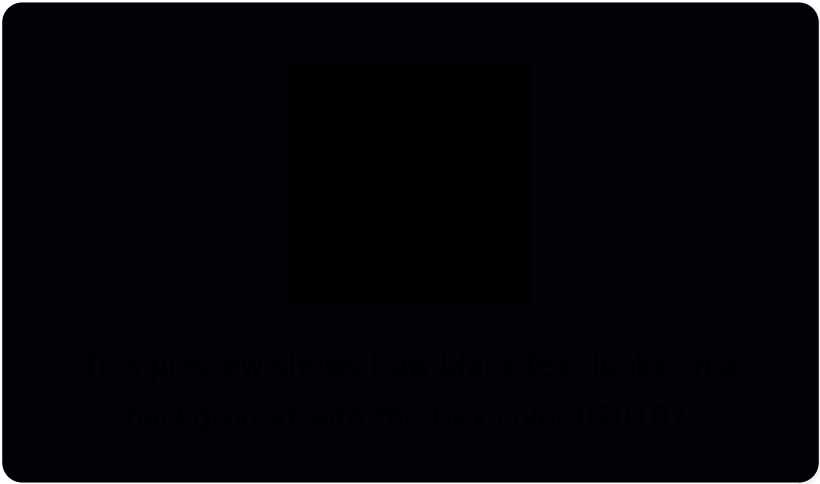
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 020107 Background



# 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](#).

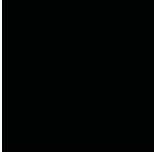
## Dichromacy



**Original Color**  
020107

**Protanopia**  
000205

**Deuteranopia**  
000204



**Tritanopia**  
000303

# Trichromacy



**Original Color**  
020107

**Protanomaly**  
010206

**Deuteranomaly**  
010205

**Tritanomaly**  
010204

# Monochromacy



**Original Color**  
020107

**Achromatopsia**  
020202

**Achromatomaly**  
020204

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 020107 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 #020107 looks like.

```
.text, #text, p{  
    color:#020107  
}
```

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 #020107 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #020107
}
```

## Border

The CSS property to change the border of an element to Hex 020107 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
#020107 }
```

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

```
.border{ border-color:#020107 }
```

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

Here you see how a box with a 4 pixel #020107 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #020107; -webkit-box-shadow:4px 4px  
4px 4px #020107; box-shadow:4px 4px 4px  
4px #020107 }
```

# Background

The CSS property to change the background color of an element to Hex 020107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#020107 }
```

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

```
.background{ background-color:#020107 }
```

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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