

# Converting Colors

Hex(022306)

Have a look what the booklet for  
Hex(022306) contains.

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# Color

Hex(022306)

# Conversions

## Conversions Part 1

Format	Color
Hex	022306
RGB	2, 35, 6
RGB Percent	1%, 14%, 2%
CMY	0.9922, 0.8627, 0.9765
CMYK	0.94, 0.00, 0.83, 0.86
HSL	127°, 89%, 7%
HSV	127°, 94%, 14%
XYZ	0.6589, 1.2281, 0.3746
YIQ	21.8270, -10.3590, -16.0150

# Conversions

## Conversions Part 2

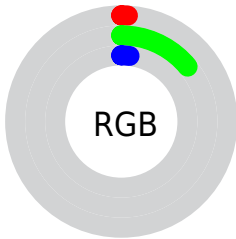
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 31, 35
Decimal	140038
CIE Lab	10.76, -19.40, 13.20
CIE LCh	11, 23.465, 145.771
Yxy	1.2281, 0.2913, 0.5430
Android (android.graphics.Color)	4278330118 (0xFF022306)
YUV	21.8270, -7.8027, -17.3883
Hunter-Lab	11.0820, -8.7800, 5.7532

# Details

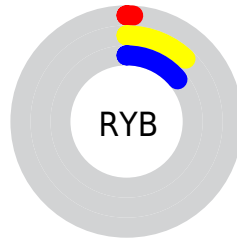
The Hex color **022306** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **23021F**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **2E5033**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002304**, and if you desaturate by 10%, it is **062309**.

# Distribution



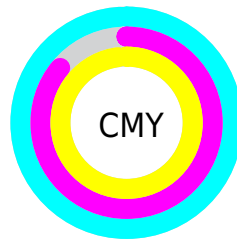
- Red (1%)
- Green (14%)
- Blue (2%)



- Red (1%)
- Yellow (12%)
- Blue (14%)



- Cyan (94%)
- Magenta (0%)
- Yellow (83%)
- Black (86%)



- Cyan (99%)
- Magenta (86%)
- Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 022306 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 022306 by changing the saturation by 10% instead.



 022306

 022306

 E4FFE7

 000500

 2E5033

 000000

 45684A

 5E8162

 779C7B

 91B795

 ACD2AF

 C7EFCB

 022306

 022306

■ 002304

■ 062309

■ 09230C

■ 0D230F

■ 102312

■ 142315

■ 172318

■ 1B231C

■ 1E231F

■ 222322

# Harmonies

## Analogous

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



192000



022306



00251A

# Triad

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



022306



00203D



390E0F

# Complementary

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



022306



23021F

# 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.



380D20



022306



181A3A

# Square

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



022306



002337



2E122F



331500

# Rectangle

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



022306



002525



2E122F



390D15



# Sweetspot

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



022306



212E23



1F2302



0F1710



969696



171717



# Same Dimension

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



022306



002E06



022316



101210



00520A



00D119



# Inverse Universe

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



23021F



2E0028



23020F



121012



520048

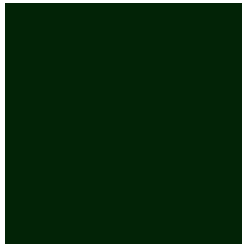


D100B8



# Previews

## White Background



This preview shows how the Hex color 022306 looks on a white background.

## Color Contrast Check

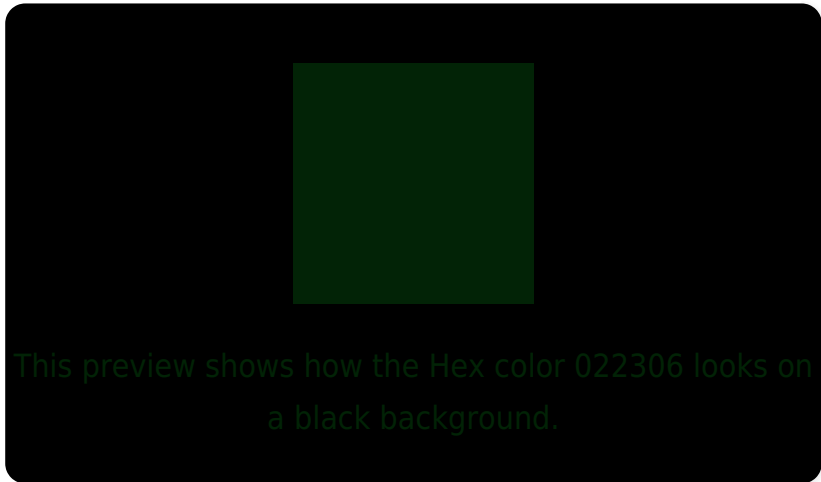
Large Text (above 18pt) WCAG AA ✓ Pass

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

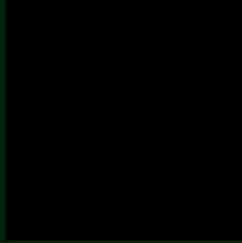
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 022306 Background



This preview shows how black text looks on a background with the Hex color 022306.



This preview shows how white text looks on a background with the Hex color 022306.

# 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**  
022306

**Protanopia**  
221E05

**Deuteranopia**  
251C09



# Trichromacy



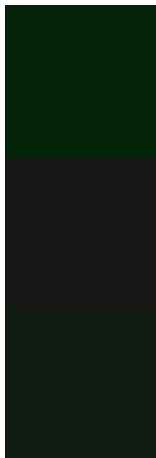
**Original Color**  
022306

**Protanomaly**  
162005

**Deuteranomaly**  
181F08

**Tritanomaly**  
0A2218

# Monochromacy



**Original Color**  
022306

**Achromatopsia**  
161616

**Achromatomaly**  
0F1B10

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 022306 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 #022306 looks like.

```
.text, #text, p{  
    color:#022306  
}
```

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 #022306 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #022306
}
```

## Border

The CSS property to change the border of an element to Hex 022306 is called "border". The border property can be set on classes, ids or directly on the HTML element.

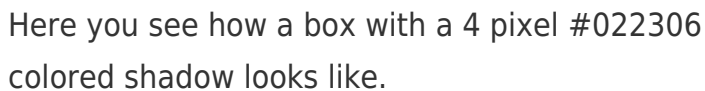
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#022306 }
```

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

```
.border{ border-color:#022306 }
```

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



Here you see how a box with a 4 pixel #022306 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #022306; -webkit-box-shadow:4px 4px  
4px 4px #022306; box-shadow:4px 4px 4px  
4px #022306 }
```

# Background

The CSS property to change the background color of an element to Hex 022306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#022306 }
```

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

```
.background{ background-color:#022306 }
```

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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