

# Converting Colors

Hex(022111)

Have a look what the booklet for  
Hex(022111) contains.

<b>Hex(022111)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(022111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	022111
RGB	2, 33, 17
RGB Percent	1%, 13%, 7%
CMY	0.9922, 0.8706, 0.9333
CMYK	0.94, 0.00, 0.48, 0.87
HSL	149°, 89%, 7%
HSV	149°, 94%, 13%
XYZ	0.6701, 1.1411, 0.7152
YIQ	21.9070, -13.3400, -11.5480

# Conversions

## Conversions Part 2

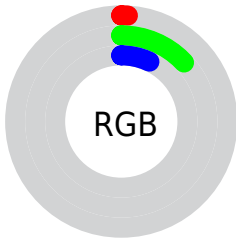
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 23, 33
Decimal	139537
CIE <sub>Lab</sub>	10.12, -16.15, 7.21
CIE <sub>LCh</sub>	10, 17.689, 155.946
Yxy	1.1411, 0.2652, 0.4517
Android (android.graphics.Color)	4278329617 (0xFF022111)
YUV	21.9070, -2.4192, -17.4584
Hunter-Lab	10.6822, -7.4969, 3.5076

# Details

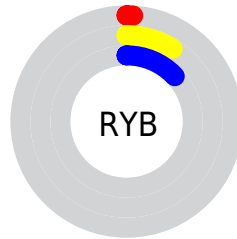
The Hex color **022111** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **210212**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **2E4D3B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002110**, and if you desaturate by 10%, it is **052113**.

# Distribution



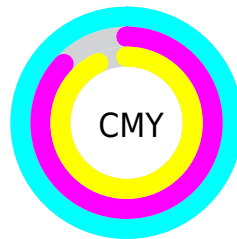
- Red (1%)
- Green (13%)
- Blue (7%)



- Red (1%)
- Yellow (9%)
- Blue (13%)



- Cyan (94%)
- Magenta (0%)
- Yellow (48%)
- Black (87%)



- Cyan (99%)
- Magenta (87%)
- Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 022111 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 022111 by changing the saturation by 10% instead.



 022111

 022111

 E3FFF1

 000100

 2E4D3B

 000000

 466652

 5E7F6B


 779984

 91B49E

 ACCFB9

 C7EBD4

 022111

 022111

■ 002110

■ 052113

■ 092114

■ 0C2116

■ 0F2118

■ 13211A

■ 16211B

■ 19211D

■ 1C211F

■ 202120

# Harmonies

## Analogous

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



151F01



022111



00221E

# Triad

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



022111



091C33



31130C

# Complementary

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



022111



210212

# 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.



32111A



022111



20182F

# Square

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



022111



002031



2C1326



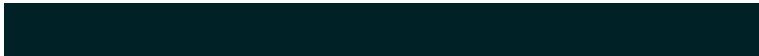
2B1700

# Rectangle

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



022111



002226



2C1326



321211



# Sweetspot

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



022111



1F2B25



122102



0F1713



969696



171717



# Same Dimension

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



022111



002B15



022120



0E0F0F



004F26



00CF64



# Inverse Universe

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



210212



2B0016



210203



0F0E0F



4F0029

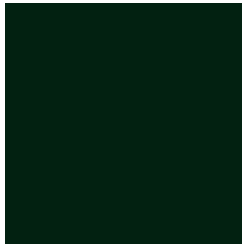


CF006B



# Previews

## White Background



This preview shows how the Hex color 022111 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

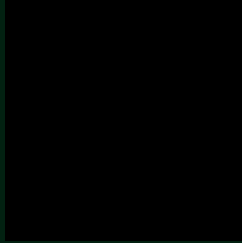
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 022111 Background



This preview shows how black text looks on a background with the Hex color 022111.



This preview shows how white text looks on a background with the Hex color 022111.

# 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**  
022111

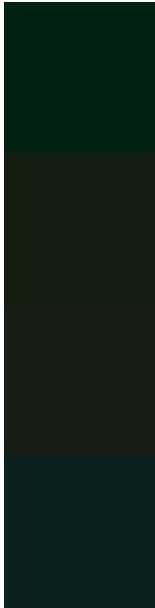
**Protanopia**  
1F1D0F

**Deuteranopia**  
221B12



**Tritanopia**  
0D1F22

# Trichromacy



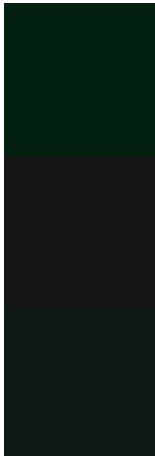
**Original Color**  
022111

**Protanomaly**  
141E10

**Deuteranomaly**  
161D12

**Tritanomaly**  
09201C

# Monochromacy



**Original Color**  
022111

**Achromatopsia**  
161616

**Achromatomaly**  
0F1A14

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 022111 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 #022111 looks like.

```
.text, #text, p{  
    color:#022111  
}
```

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 #022111 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #022111
}
```

## Border

The CSS property to change the border of an element to Hex 022111 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
#022111 }
```

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

```
.border{ border-color:#022111 }
```

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

Here you see how a box with a 4 pixel #022111 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #022111; -webkit-box-shadow:4px 4px  
4px 4px #022111; box-shadow:4px 4px 4px  
4px #022111 }
```

# Background

The CSS property to change the background color of an element to Hex 022111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#022111 }
```

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

```
.background{ background-color:#022111 }
```

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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