

# Converting Colors

Hex(150021)

Have a look what the booklet for  
Hex(150021) contains.

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# Color

**Hex(150021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	150021
RGB	21, 0, 33
RGB Percent	8%, 0%, 13%
CMY	0.9176, 1.0000, 0.8706
CMYK	0.36, 1.00, 0.00, 0.87
HSL	278°, 100%, 6%
HSV	278°, 100%, 13%
XYZ	0.5838, 0.2692, 1.4600
YIQ	10.0410, 1.9230, 14.7150

# Conversions

## Conversions Part 2

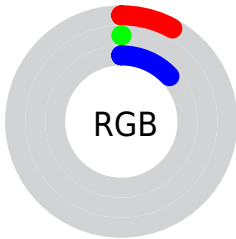
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 0, 33
Decimal	1376289
CIE <sub>Lab</sub>	2.43, 13.43, -15.74
CIE <sub>LCh</sub>	2, 20.688, 310.482
Yxy	0.2692, 0.2524, 0.1164
Android (android.graphics.Color)	4279566369 (0xFF150021)
YUV	10.0410, 11.3188, 9.6110
Hunter-Lab	5.1888, 11.0021, -13.0511

# Details

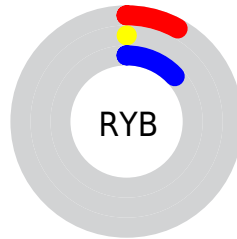
The Hex color **150021** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **0C2100**, and the grayscale version is **0A0A0A**.

A 20% lighter version of the original color is **3E304D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **150021**, and if you desaturate by 10%, it is **160321**.

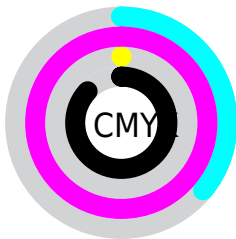
# Distribution



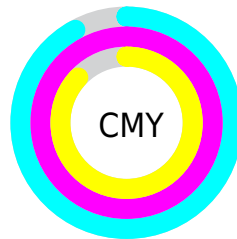
- Red (8%)
- Green (0%)
- Blue (13%)



- Red (8%)
- Yellow (0%)
- Blue (13%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (87%)



- Cyan (92%)
- Magenta (100%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 150021 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 150021 by changing the saturation by 10% instead.



 150021

 150021

 F6E2FF

 000007

 3E304D

 000000

 564665

 6E5E7E

 887698

 A290B3

 BDABCE

 D9C6EB

 150021

■ 160321

■ 170721

■ 190A21

■ 1A0D21

■ 1B1121

■ 1C1421

■ 1D1721

■ 1F1A21

■ 201E21

# Harmonies

## Analogous

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



000827



150021



220016

# Triad

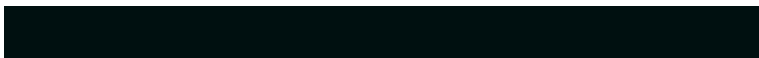
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



150021



190300



001010

# Complementary

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



150021



0C2100

# 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.



001000



150021



040B00

# Square

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



150021



230000



001000



00111E

# Rectangle

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



150021



260009



001000



001009



# Sweetspot

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



150021



271E2B



000C21



140F17



969696



171717



# Same Dimension

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



150021



1C002B



21001D



0F0E0F



32004F



8300CF



# Inverse Universe

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



21000C



2B0010



002104



0F0E0E



4F001D

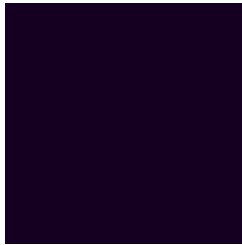


CF004B



# Previews

## White Background



This preview shows how the Hex color 150021 looks on a white background.

## Color Contrast Check

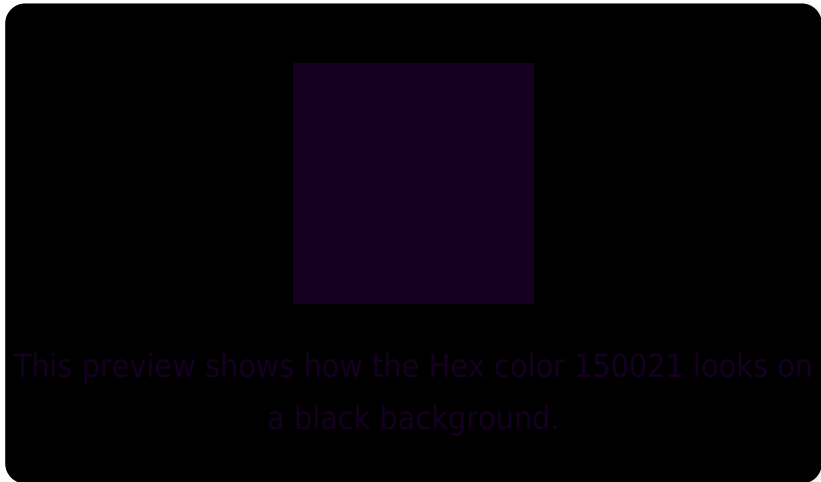
Large Text (above 18pt) WCAG AA ✓ Pass

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

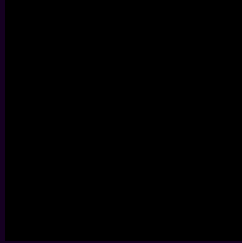
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 150021 Background



This preview shows how black text looks on a background with the Hex color 150021.



This preview shows how white text looks on a background with the Hex color 150021.

# 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**  
150021

**Protanopia**  
000E1D

**Deuteranopia**  
000E19



**Tritanopia**  
110D0E

# Trichromacy



**Original Color**  
150021

**Protanomaly**  
08091E

**Deuteranomaly**  
08091C

**Tritanomaly**  
120815

# Monochromacy



**Original Color**  
150021

**Achromatopsia**  
0A0A0A

**Achromatomaly**  
0E0612

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 150021 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 #150021 looks like.

```
.text, #text, p{  
    color:#150021  
}
```

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 #150021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #150021
}
```

## Border

The CSS property to change the border of an element to Hex 150021 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
#150021 }
```

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

```
.border{ border-color:#150021 }
```

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

Here you see how a box with a 4 pixel #150021 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #150021; -webkit-box-shadow:4px 4px  
4px 4px #150021; box-shadow:4px 4px 4px  
4px #150021 }
```

# Background

The CSS property to change the background color of an element to Hex 150021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#150021 }
```

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

```
.background{ background-color:#150021 }
```

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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