

# Converting Colors

Hex(1D0166)

Have a look what the booklet for  
Hex(1D0166) contains.

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# Color

**Hex(1D0166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1D0166
RGB	29, 1, 102
RGB Percent	11%, 0%, 40%
CMY	0.8863, 0.9961, 0.6000
CMYK	0.72, 0.99, 0.00, 0.60
HSL	257°, 98%, 20%
HSV	257°, 99%, 40%
XYZ	2.9158, 1.2422, 12.6565
YIQ	20.8860, -15.7330, 37.3470

# Conversions

## Conversions Part 2

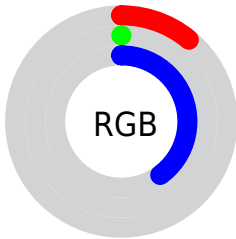
<b>Format</b>	<b>Color</b>
<b>RYB</b>	29, 1, 102
Decimal	1900902
CIELab	10.87, 40.72, -51.29
CIELCh	11, 65.489, 308.451
Yxy	1.2422, 0.1734, 0.0739
Android (android.graphics.Color)	4280090982 (0xFF1D0166)
YUV	20.8860, 39.9892, 7.1160
Hunter-Lab	11.1455, 27.1934, -59.5257

# Details

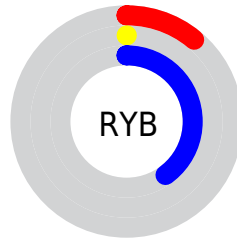
The Hex color **1D0166** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **4A6601**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **57329A**, and **000435** is the 20% darker color. If you saturate the color by 10%, you get **1C0066**, and if you desaturate by 10%, it is **240B66**.

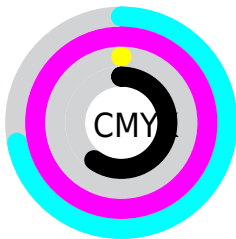
# Distribution



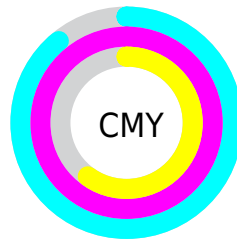
- Red (11%)
- Green (0%)
- Blue (40%)



- Red (11%)
- Yellow (0%)
- Blue (40%)



- Cyan (72%)
- Magenta (99%)
- Yellow (0%)
- Black (60%)



- Cyan (89%)
- Magenta (100%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1D0166 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 1D0166 by changing the saturation by 10% instead.



 1D0166

 1D0166


 FFEAFF

 00004D

 57329A

 000435

 724AB5

 00021F

 8E62D1

 000003

 AA7CEE

 000000

 C696FF

 E3B1FF

 FFCDFD

 1D0166

 1D0166

■ 1C0066

■ 240B66

■ 2C1566

■ 332066

■ 3A2A66

■ 423466

■ 493E66

■ 514866

■ 585366

■ 5F5D66

# Harmonies

## Analogous

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



00237A



1D0166



56003F

# Triad

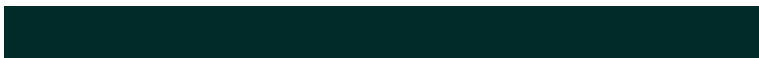
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1D0166



3E0A00



002B29

# Complementary

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



1D0166



4A6601

# 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.



002A00



1D0166



1A2000

# Square

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



1D0166



570000



002900



002E56

# Rectangle

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



1D0166



610022



002900



002B1A



# Sweetspot

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



1D0166



685D85



014B66



312A42



C2C2C2



424242



# Same Dimension

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



1D0166



250085



4E0166



2F2E33



200073



4300F2



# Inverse Universe

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



66014A



850060



196601



332E32



730053

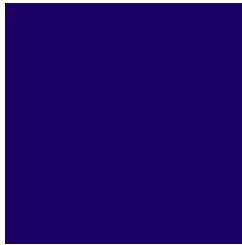


F200AF



# Previews

## White Background



This preview shows how the Hex color 1D0166 looks on a white background.

## Color Contrast Check

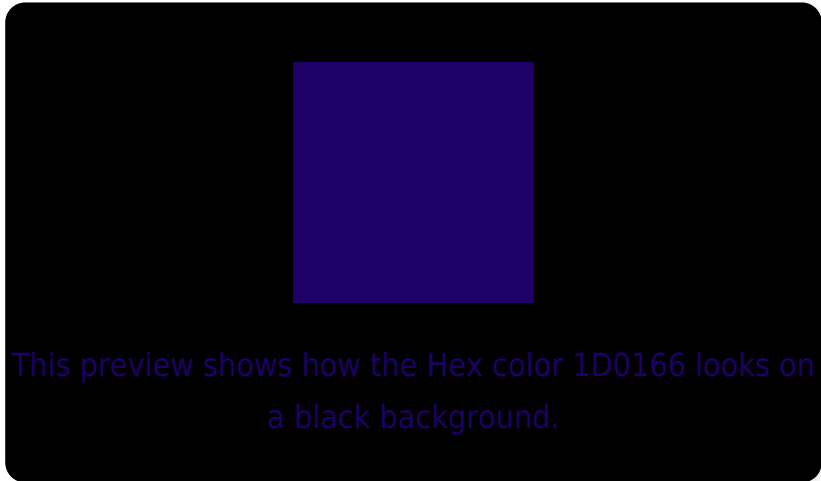
Large Text (above 18pt) WCAG AA ✓ Pass

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

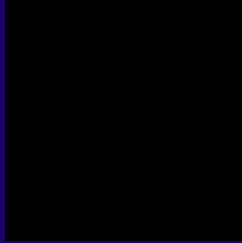
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1D0166 Background



This preview shows how black text looks on a background with the Hex color 1D0166.



This preview shows how white text looks on a background with the Hex color 1D0166.

# 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**  
1D0166

**Protanopia**  
002044

**Deuteranopia**  
00233A



# Trichromacy



**Original Color**  
1D0166

**Protanomaly**  
0B1550

**Deuteranomaly**  
0B174A

**Tritanomaly**  
0B183E

# Monochromacy



**Original Color**  
1D0166

**Achromatopsia**  
151515

**Achromatomaly**  
180E32

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1D0166 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 #1D0166 looks like.

```
.text, #text, p{  
    color:#1D0166  
}
```

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 #1D0166 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1D0166
}
```

## Border

The CSS property to change the border of an element to Hex 1D0166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

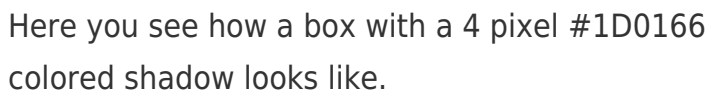
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1D0166 }
```

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

```
.border{ border-color:#1D0166 }
```

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



Here you see how a box with a 4 pixel #1D0166 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1D0166; -webkit-box-shadow:4px 4px  
4px 4px #1D0166; box-shadow:4px 4px 4px  
4px #1D0166 }
```

# Background

The CSS property to change the background color of an element to Hex 1D0166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1D0166 }
```

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

```
.background{ background-color:#1D0166 }
```

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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