

Converting Colors

Hex(100075)

Have a look what the booklet for
Hex(100075) contains.

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Color

Hex(100075)

Conversions

Conversions Part 1

Format	Color
Hex	100075
RGB	16, 0, 117
RGB Percent	6%, 0%, 46%
CMY	0.9373, 1.0000, 0.5412
CMYK	0.86, 1.00, 0.00, 0.54
HSL	248°, 100%, 23%
HSV	248°, 100%, 46%
XYZ	3.4246, 1.3945, 16.9183
YIQ	18.1220, -28.0210, 39.7790

Conversions

Conversions Part 2

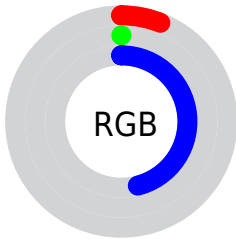
Format	Color
RYB	16, 0, 117
Decimal	1048693
CIELab	11.92, 44.79, -59.38
CIELCh	12, 74.382, 307.028
Yxy	1.3945, 0.1575, 0.0642
Android (android.graphics.Color)	4279238773 (0xFF100075)
YUV	18.1220, 48.7469, -1.8610
Hunter-Lab	11.8090, 31.0990, -76.6766

Details

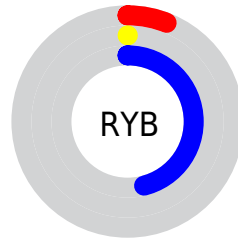
The Hex color **100075** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **657500**, and the grayscale version is **121212**.

A 20% lighter version of the original color is **5432AA**, and **000043** is the 20% darker color. If you saturate the color by 10%, you get **100075**, and if you desaturate by 10%, it is **1A0C75**.

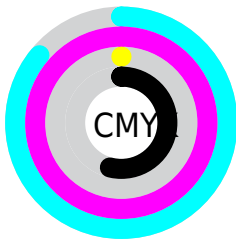
Distribution



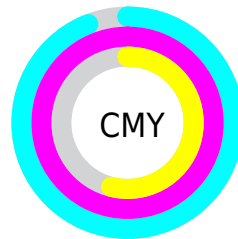
- Red (6%)
- Green (0%)
- Blue (46%)



- Red (6%)
- Yellow (0%)
- Blue (46%)



- Cyan (86%)
- Magenta (100%)
- Yellow (0%)
- Black (54%)



- Cyan (94%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 100075 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 100075 by changing the saturation by 10% instead.

 100075

 100075

 FFEAFF

 00005C

 5432AA

 000043

 714AC6

 00032C

 8D63E3

 000116

 AA7CFF

 000000

 C797FF

 E4B2FF

 FFCEFF

 100075

■ 1A0C75

■ 241775

■ 2E2375

■ 382F75

■ 433B75

■ 4D4675

■ 575275

■ 615E75

■ 6B6975

Harmonies

Analogous

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



00278B



100075



5F0049

Triad

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



100075



460500



002E2B

Complementary

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



100075



657500

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.



002D00



100075



1D2200

Square

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



100075



620000



002B00



00315E

Rectangle

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



100075



6C0027



002B00



002D19

Sweetspot

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



100075



716B99



006575



35314D



CCCCCC



4D4D4D

Same Dimension

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



100075



150099



4A0075



36353B



11007A



2200FA

Inverse Universe

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



750065



990084



2B7500



3B353A



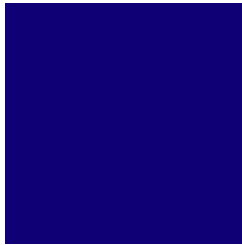
7A006A



FA00D8

Previews

White Background



This preview shows how the Hex color 100075 looks on a white background.

Color Contrast Check

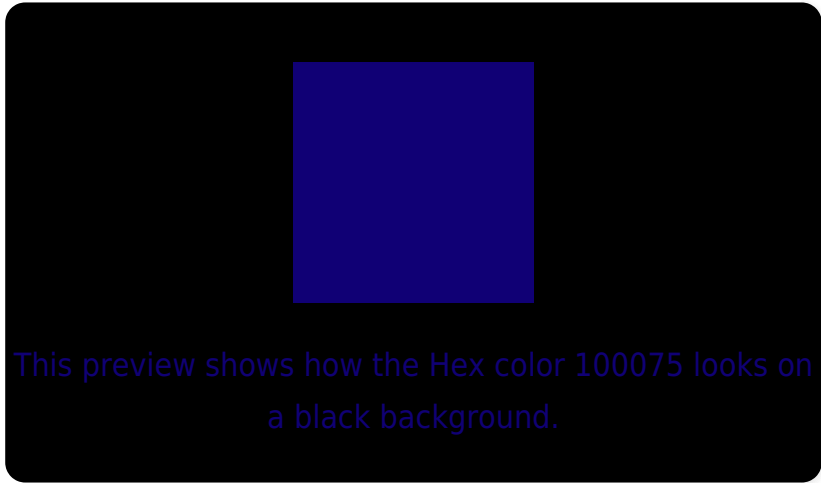
Large Text (above 18pt) WCAG AA ✓ Pass

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

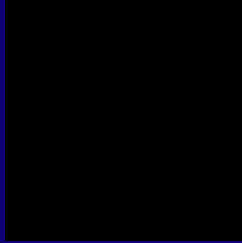
Any Text WCAG AA × Fail

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 100075 Background



This preview shows how black text looks on a background with the Hex color 100075.



This preview shows how white text looks on a background with the Hex color 100075.

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
100075

Protanopia
002349

Deuteranopia
00253E



Tritanopia
00282A

Trichromacy



Original Color
100075

Protanomaly
061659

Deuteranomaly
061852

Tritanomaly
061945

Monochromacy



Original Color
100075

Achromatopsia
121212

Achromatomaly
110B36

CSS Examples

Text

The CSS property to change the color of the text to Hex 100075 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 #100075 looks like.

```
.text, #text, p{  
    color:#100075  
}
```

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 #100075 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #100075
}
```

Border

The CSS property to change the border of an element to Hex 100075 is called "border". The border property can be set on classes, ids or directly on the HTML element.

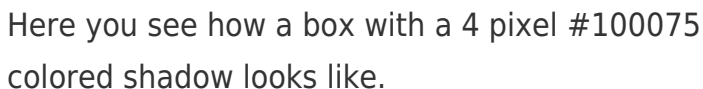
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#100075 }
```

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

```
.border{ border-color:#100075 }
```

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



Here you see how a box with a 4 pixel #100075 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #100075; -webkit-box-shadow:4px 4px  
4px 4px #100075; box-shadow:4px 4px 4px  
4px #100075 }
```

Background

The CSS property to change the background color of an element to Hex 100075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#100075 }
```

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

```
.background{ background-color:#100075 }
```

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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