

# Converting Colors

Hex(100586)

Have a look what the booklet for  
Hex(100586) contains.

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# Color

**Hex(100586)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	100586
RGB	16, 5, 134
RGB Percent	6%, 2%, 53%
CMY	0.9373, 0.9804, 0.4745
CMYK	0.88, 0.96, 0.00, 0.47
HSL	245°, 93%, 27%
HSV	245°, 96%, 53%
XYZ	4.5710, 1.9399, 22.6878
YIQ	22.9950, -34.8530, 42.4510

# Conversions

## Conversions Part 2

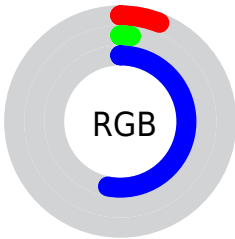
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 5, 134
Decimal	1049990
CIE <sub>Lab</sub>	15.17, 47.48, -64.83
CIE <sub>LCh</sub>	15, 80.358, 306.218
Yxy	1.9399, 0.1565, 0.0664
Android (android.graphics.Color)	4279240070 (0xFF100586)
YUV	22.9950, 54.7255, -6.1346
Hunter-Lab	13.9281, 34.2071, -86.8288

# Details

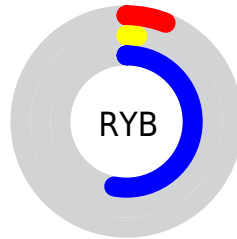
The Hex color **100586** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **7B8605**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **5938BD**, and **000053** is the 20% darker color. If you saturate the color by 10%, you get **0B0086**, and if you desaturate by 10%, it is **1C1286**.

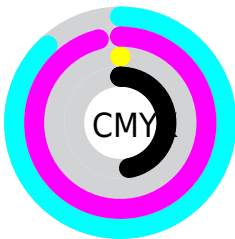
# Distribution



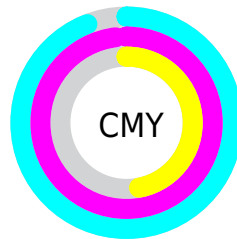
- Red (6%)
- Green (2%)
- Blue (53%)



- Red (6%)
- Yellow (2%)
- Blue (53%)



- Cyan (88%)
- Magenta (96%)
- Yellow (0%)
- Black (47%)



- Cyan (94%)
- Magenta (98%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 100586 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 100586 by changing the saturation by 10% instead.



 100586

 100586

 FFF2FF

 00006C

 5938BD

 000053

 7650D9

 00063A

 936AF6

 000224

 B084FF

 00000C

 CE9EFF

 000000

 ECBAFF

 FFD6FF

 100586

 100586

■ 0B0086

■ 1C1286

■ 292086

■ 352D86

■ 413B86

■ 4D4886

■ 5A5586

■ 666386

■ 727086

■ 7E7E86

# Harmonies

## Analogous

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



002F9E



100586



6B0055

# Triad

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



100586



520700



003731

# Complementary

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



100586



7B8605

# 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.



003600



100586



262900

# Square

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



100586



710000



003200



003A6A

# Rectangle

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



100586



7B0030



003200



00361D



# Sweetspot

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



100586



7F7BAD



057B86



3B3857



D6D6D6



575757



# Same Dimension

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



100586



0F00AD



500586



3C3C42



0B0082



000003



# Inverse Universe

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



86057B



AD009F



3B8605



423C42



820077

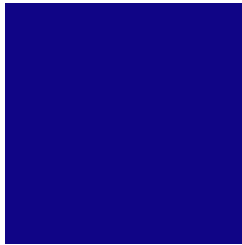


030002



# Previews

## White Background



This preview shows how the Hex color 100586 looks on a white background.

## Color Contrast Check

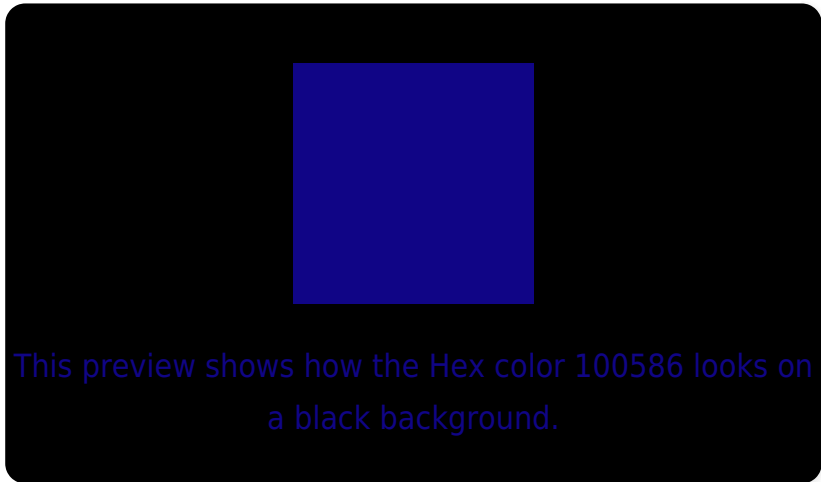
Large Text (above 18pt) WCAG AA ✓ Pass

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

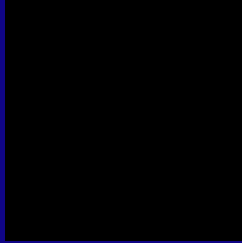
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 100586 Background



This preview shows how black text looks on a background with the Hex color 100586.



This preview shows how white text looks on a background with the Hex color 100586.

# 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**  
100586

**Protanopia**  
002853

**Deuteranopia**  
002A47



# Trichromacy



**Original Color**  
100586

**Protanomaly**  
061B66

**Deuteranomaly**  
061D5E

**Tritanomaly**  
061F4F

# Monochromacy



**Original Color**  
100586

**Achromatopsia**  
171717

**Achromatomaly**  
14103F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 100586 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 #100586 looks like.

```
.text, #text, p{  
    color:#100586  
}
```

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 #100586 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #100586
}
```

## Border

The CSS property to change the border of an element to Hex 100586 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
#100586 }
```

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

```
.border{ border-color:#100586 }
```

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

Here you see how a box with a 4 pixel #100586 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #100586; -webkit-box-shadow:4px 4px  
4px 4px #100586; box-shadow:4px 4px 4px  
4px #100586 }
```

# Background

The CSS property to change the background color of an element to Hex 100586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#100586 }
```

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

```
.background{ background-color:#100586 }
```

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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