

# Converting Colors

Hex(100C5E)

Have a look what the booklet for  
Hex(100C5E) contains.

<b>Hex(100C5E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(100C5E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	100C5E
RGB	16, 12, 94
RGB Percent	6%, 5%, 37%
CMY	0.9373, 0.9529, 0.6314
CMYK	0.83, 0.87, 0.00, 0.63
HSL	243°, 77%, 21%
HSV	243°, 87%, 37%
XYZ	2.3655, 1.1813, 10.6930
YIQ	22.5440, -23.9380, 26.3500

# Conversions

## Conversions Part 2

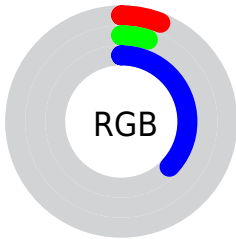
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	16, 12, 94
Decimal	1051742
CIE <sub>Lab</sub>	10.42, 32.11, -46.72
CIE <sub>LCh</sub>	10, 56.694, 304.498
Yxy	1.1813, 0.1661, 0.0830
Android (android.graphics.Color)	4279241822 (0xFF100C5E)
YUV	22.5440, 35.2278, -5.7391
Hunter-Lab	10.8686, 19.8305, -50.7243

# Details

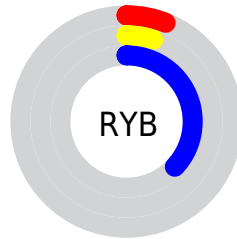
The Hex color **100C5E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **5A5E0C**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **4C3891**, and **00042E** is the 20% darker color. If you saturate the color by 10%, you get **07035E**, and if you desaturate by 10%, it is **19155E**.

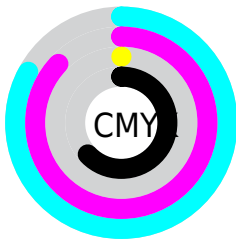
# Distribution



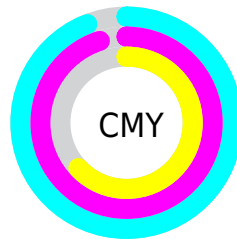
- Red (6%)
- Green (5%)
- Blue (37%)



- Red (6%)
- Yellow (5%)
- Blue (37%)



- Cyan (83%)
- Magenta (87%)
- Yellow (0%)
- Black (63%)



- Cyan (94%)
- Magenta (95%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 100C5E 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 100C5E by changing the saturation by 10% instead.



 100C5E

 100C5E

 FFEFFF

 000046

 4C3891

 00042E

 674FAC

 000119

 8268C8

 000000

 9D81E4

 B99BFF

 D6B6FF

 F3D2FF

 100C5E

 100C5E

■ 07035E

■ 19155E

■ 05005E

■ 221F5E

■ 2B285E

■ 34325E

■ 3D3B5E

■ 46445E

■ 4F4E5E

■ 58575E

■ 60615E

# Harmonies

## Analogous

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



00226C



100C5E



4A003E

# Triad

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



100C5E



3D0900



002A21

# Complementary

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



100C5E



5A5E0C

# 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.



002900



100C5E



201D00

# Square

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



100C5E



520000



002600



002C48

# Rectangle

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



100C5E



570025



002600



002914



# Sweetspot

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



100C5E



5C5B7A



0C5B5E



2B2A3D



BDBDBD



3D3D3D



# Same Dimension

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



100C5E



06007A



380C5E



2A292E



05006E



0C00ED



# Inverse Universe

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



5E0C5A



7A0074



325E0C



2E292E



6E0068

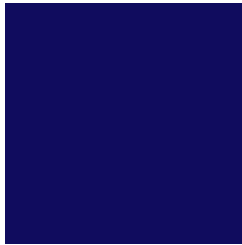


ED00E2



# Previews

## White Background



This preview shows how the Hex color 100C5E looks on a white background.

## Color Contrast Check

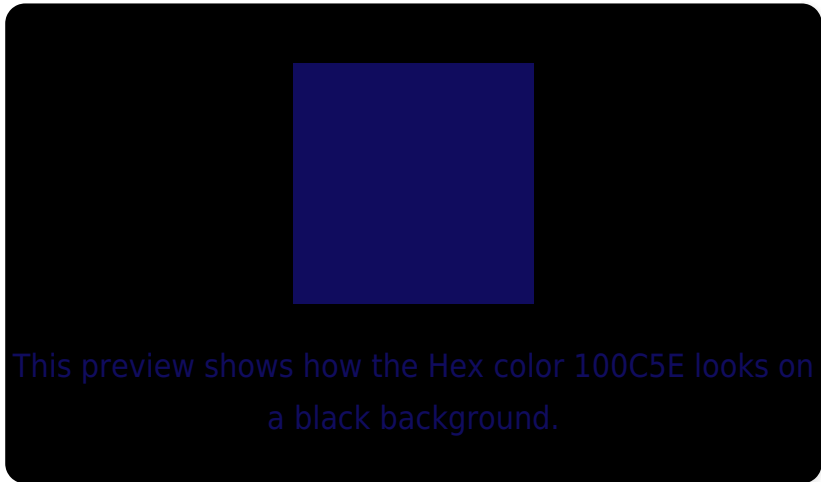
Large Text (above 18pt) WCAG AA ✓ Pass

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

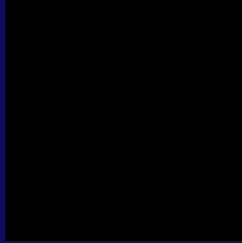
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 100C5E Background



This preview shows how black text looks on a background with the Hex color 100C5E.



This preview shows how white text looks on a background with the Hex color 100C5E.

# 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**  
100C5E

**Protanopia**  
001D3E

**Deuteranopia**  
001F34



# Trichromacy



**Original Color**  
100C5E

**Protanomaly**  
06174A

**Deuteranomaly**  
061843

**Tritanomaly**  
061A39

# Monochromacy



**Original Color**  
100C5E

**Achromatopsia**  
171717

**Achromatomaly**  
141331

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 100C5E 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 #100C5E looks like.

```
.text, #text, p{  
    color:#100C5E  
}
```

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 #100C5E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #100C5E
}
```

## Border

The CSS property to change the border of an element to Hex 100C5E 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
#100C5E }
```

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

```
.border{ border-color:#100C5E }
```

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

Here you see how a box with a 4 pixel #100C5E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #100C5E; -webkit-box-shadow:4px 4px  
4px 4px #100C5E; box-shadow:4px 4px 4px  
4px #100C5E }
```

# Background

The CSS property to change the background color of an element to Hex 100C5E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#100C5E }
```

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

```
.background{ background-color:#100C5E }
```

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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