

# Converting Colors

Hex(100500)

Have a look what the booklet for  
Hex(100500) contains.

<b>Hex(100500)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(100500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	100500
RGB	16, 5, 0
RGB Percent	6%, 2%, 0%
CMY	0.9373, 0.9804, 1.0000
CMYK	0.00, 0.69, 1.00, 0.94
HSL	19°, 100%, 3%
HSV	19°, 100%, 6%
XYZ	0.2680, 0.2187, 0.0281
YIQ	7.7190, 8.1610, 0.7770

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">16, 7, 0</a>
Decimal	<a href="#">1049856</a>
CIELab	<a href="#">1.98, 2.46, 3.00</a>
CIELCh	<a href="#">2, 3.884, 50.671</a>
Yxy	<a href="#">0.2187, 0.5206, 0.4249</a>
Android (android.graphics.Color)	<a href="#">4279239936 (0xFF100500)</a>
YUV	<a href="#">7.7190, -3.8055, 7.2624</a>
Hunter-Lab	<a href="#">4.6765, 2.0437, 2.9174</a>

# Details

The Hex color **100500** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **000B10**, and the grayscale version is **080808**.

A 20% lighter version of the original color is **3A3330**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **100500**, and if you desaturate by 10%, it is **100602**.

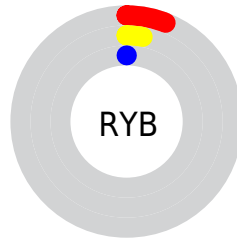
# Distribution



Red (6%)

Green (2%)

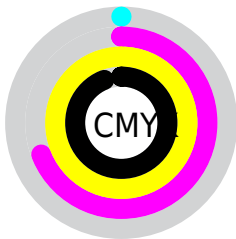
Blue (0%)



Red (6%)

Yellow (3%)

Blue (0%)

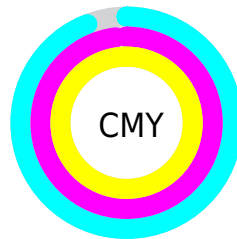


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (94%)



Cyan (94%)

Magenta (98%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 100500 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 100500 by changing the saturation by 10% instead.



 100500

 100500

 EFE6E2

 000000

 3A3330

 514A47

 69625E

 837A77

 9D9491

 B7AFAB

 D3CAC6

 100500

■ 100602

■ 100703

■ 100805

■ 100906

■ 100B08

■ 100C0A

■ 100D0B

■ 100E0D

■ 100F0E

# Harmonies

## Analogous

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



110404



100500



0D0600

# Triad

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



100500



000A05



07060F

# Complementary

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



100500



000B10

# 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.



010810



100500



000A0A

# Square

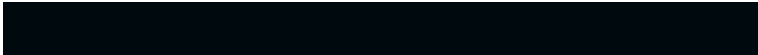
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



100500



020901



00090E



0C050D

# Rectangle

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



100500



090700



00090E



050710



# Sweetspot

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



100500



14100E



10000B



0A0807



8A8A8A



0A0A0A



# Same Dimension

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



100500



140600



100D00



080707



471600



C73E00



# Inverse Universe

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



000B10



000E14



000310



070708



003147

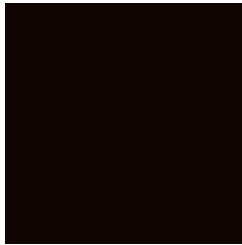


0089C7



# Previews

## White Background



This preview shows how the Hex color 100500 looks on a white background.

## Color Contrast Check

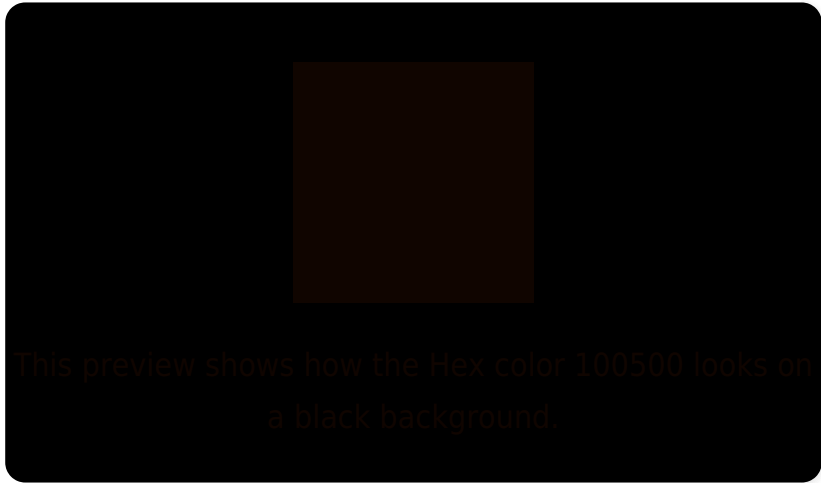
Large Text (above 18pt) WCAG AA ✓ Pass

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

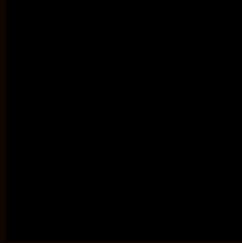
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 100500 Background



This preview shows how black text looks on a background with the Hex color 100500.



This preview shows how white text looks on a background with the Hex color 100500.

# 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**  
100500

**Protanopia**  
0A0902

**Deuteranopia**  
0B0800



**Tritanopia**  
100505

# Trichromacy



**Original Color**  
100500

**Protanomaly**  
0C0801

**Deuteranomaly**  
0D0700

**Tritanomaly**  
100503

# Monochromacy



**Original Color**  
100500

**Achromatopsia**  
080808

**Achromatomaly**  
0B0705

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 100500 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 #100500 looks like.

```
.text, #text, p{  
    color:#100500  
}
```

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 #100500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #100500
}
```

## Border

The CSS property to change the border of an element to Hex 100500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

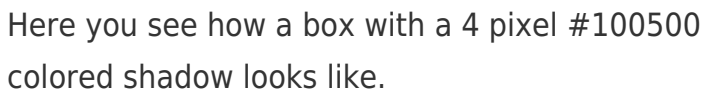
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#100500 }
```

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

```
.border{ border-color:#100500 }
```

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



Here you see how a box with a 4 pixel #100500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #100500; -webkit-box-shadow:4px 4px  
4px 4px #100500; box-shadow:4px 4px 4px  
4px #100500 }
```

# Background

The CSS property to change the background color of an element to Hex 100500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#100500 }
```

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

```
.background{ background-color:#100500 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor