

# Converting Colors

Hex(1E0100)

Have a look what the booklet for  
Hex(1E0100) contains.

<b>Hex(1E0100)</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(1E0100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E0100
RGB	30, 1, 0
RGB Percent	12%, 0%, 0%
CMY	0.8824, 0.9961, 1.0000
CMYK	0.00, 0.97, 1.00, 0.88
HSL	2°, 100%, 6%
HSV	2°, 100%, 12%
XYZ	0.5463, 0.2977, 0.0287
YIQ	9.5570, 17.6050, 5.8370

# Conversions

## Conversions Part 2

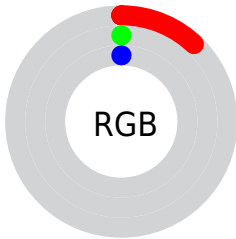
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 1, 0
Decimal	1966336
CIE Lab	2.69, 10.79, 4.23
CIE LCh	3, 11.584, 21.399
Yxy	0.2977, 0.6260, 0.3412
Android (android.graphics.Color)	4280156416 (0xFF1E0100)
YUV	9.5570, -4.7116, 17.9285
Hunter-Lab	5.4564, 8.3218, 3.5079

# Details

The Hex color **1E0100** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **001D1E**, and the grayscale version is **0A0A0A**.

A 20% lighter version of the original color is **483030**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1E0100**, and if you desaturate by 10%, it is **1E0403**.

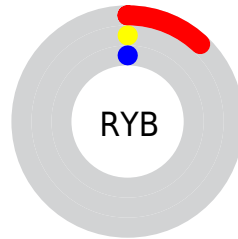
# Distribution



Red (12%)

Green (0%)

Blue (0%)



Red (12%)

Yellow (0%)

Blue (0%)

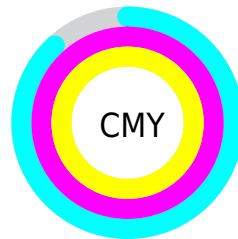


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (88%)



Cyan (88%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E0100 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 1E0100 by changing the saturation by 10% instead.



 1E0100

 1E0100

 FFE3E2

 000000

 483030

 604747

 795E5E

 937777

 AE9191

 C9ABAB

 E6C7C6

 1E0100

■ 1E0403

■ 1E0706

■ 1E0A09

■ 1E0D0C

■ 1E0F0F

■ 1E1212

■ 1E1515

■ 1E1818

■ 1E1B1B

# Harmonies

## Analogous

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



1C010E



1E0100



1A0400

# Triad

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



1E0100



001000



000C1C

# Complementary

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



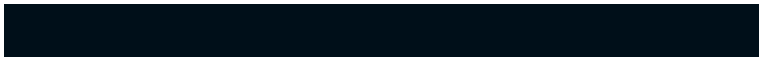
1E0100



001D1E

# 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.



000F19



1E0100



001105

# Square

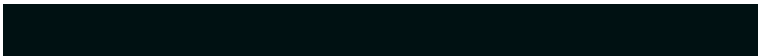
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



1E0100



040C00



001112



08081B

# Rectangle

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



1E0100



150600



001112



000D1B



# Sweetspot

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



1E0100



261B1B



1E001D



140D0D



949494



141414



# Same Dimension

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



1E0100



260100



1E1000



0F0E0E



4F0300



CF0700

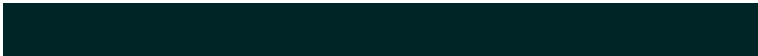


# Inverse Universe

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



001D1E



002526



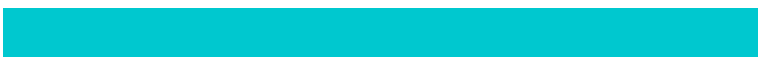
000E1E



0E0F0F



004C4F

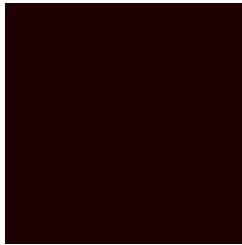


00C8CF



# Previews

## White Background



This preview shows how the Hex color 1E0100 looks on a white background.

## Color Contrast Check

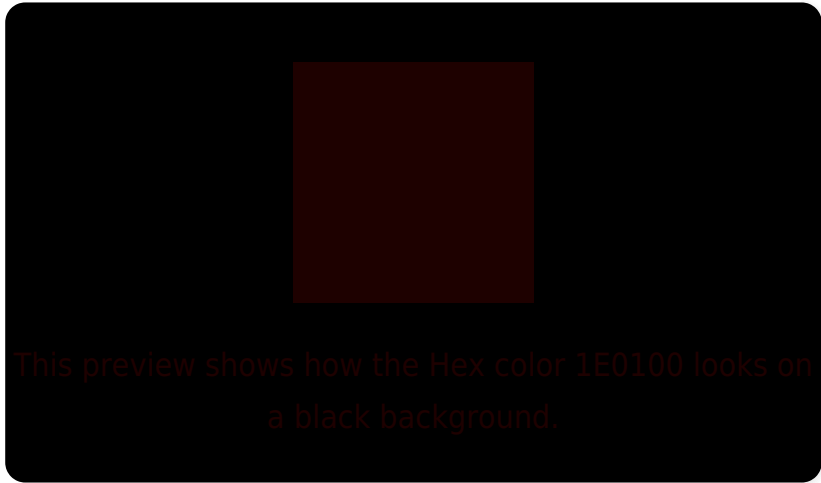
Large Text (above 18pt) WCAG AA ✓ Pass

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

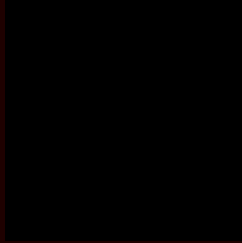
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E0100 Background



This preview shows how black text looks on a background with the Hex color 1E0100.

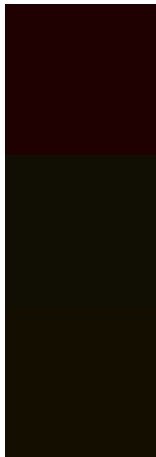


This preview shows how white text looks on a background with the Hex color 1E0100.

# 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](#).

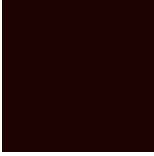
## Dichromacy



**Original Color**  
1E0100

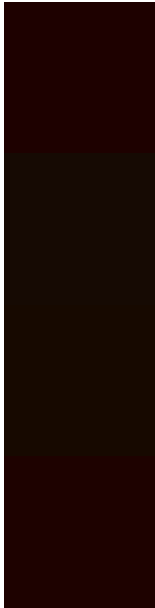
**Protanopia**  
110F04

**Deuteranopia**  
130E00



**Tritanopia**  
1E0300

# Trichromacy



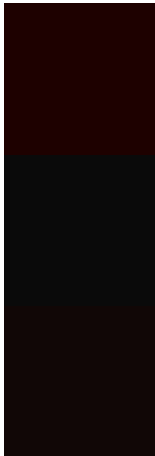
**Original Color**  
1E0100

**Protanomaly**  
160A03

**Deuteranomaly**  
170900

**Tritanomaly**  
1E0200

# Monochromacy



**Original Color**  
1E0100

**Achromatopsia**  
0A0A0A

**Achromatomaly**  
110706

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E0100 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 #1E0100 looks like.

```
.text, #text, p{  
    color:#1E0100  
}
```

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 #1E0100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E0100
}
```

## Border

The CSS property to change the border of an element to Hex 1E0100 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
#1E0100 }
```

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

```
.border{ border-color:#1E0100 }
```

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

Here you see how a box with a 4 pixel #1E0100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E0100; -webkit-box-shadow:4px 4px  
4px 4px #1E0100; box-shadow:4px 4px 4px  
4px #1E0100 }
```

# Background

The CSS property to change the background color of an element to Hex 1E0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E0100 }
```

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

```
.background{ background-color:#1E0100 }
```

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