

# Converting Colors

Hex(05E100)

Have a look what the booklet for  
Hex(05E100) contains.

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**Color**

**Hex(05E100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05E100
RGB	5, 225, 0
RGB Percent	2%, 88%, 0%
CMY	0.9804, 0.1176, 1.0000
CMYK	0.98, 0.00, 1.00, 0.12
HSL	119°, 100%, 44%
HSV	119°, 100%, 88%
XYZ	26.9878, 53.8827, 8.9780
YIQ	133.5700, -58.8950, -116.6150

# Conversions

## Conversions Part 2

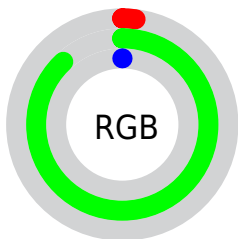
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 225, 220
Decimal	385280
CIELab	78.39, -78.23, 75.70
CIELCh	78, 108.860, 135.944
Yxy	53.8827, 0.3004, 0.5997
Android (android.graphics.Color)	4278575360 (0xFF05E100)
YUV	133.5700, -65.8500, -112.7559
Hunter-Lab	73.4048, -62.8317, 44.1317

# Details

The Hex color **05E100** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **DC00E1**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **70FF56**, and **00A800** is the 20% darker color. If you saturate the color by 10%, you get **05E100**, and if you desaturate by 10%, it is **1BE116**.

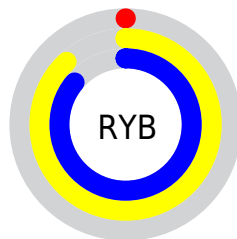
# Distribution



Red (2%)

Green (88%)

Blue (0%)



Red (0%)

Yellow (88%)

Blue (86%)

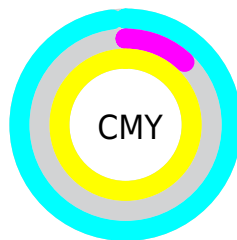


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (98%)

Magenta (12%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 05E100 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 05E100 by changing the saturation by 10% instead.



 05E100

 05E100

FFFFFF

 00C400

 70FF56

 00A800

 92FF74

 008C00

 B3FF91

 007100

 D3FFAE

 005700

 F3FFCB

 003E00

 FFFFE9

 002400

 000000

 05E100

 1BE116

 31E12D

 47E144

 5DE15A

 73E171

 89E187

 9FE19D

 B5E1B4

 CBE1CB

# Harmonies

## Analogous

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



B8CE00



05E100



00EA8D

# Triad

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



05E100



00DCFF



FF3791

# Complementary

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



05E100



DC00E1

# 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.



FF44F6



05E100



00BCFF

# Square

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



05E100



00EAFF



FF88FF



FF782B

# Rectangle

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



05E100



00EDD4



FF88FF



FF2AB2

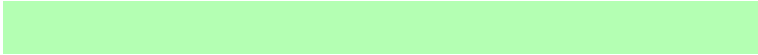


# Sweetspot

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



05E100



B4FFB3



E1DA00



538052



000000



808080



# Same Dimension

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



05E100



06FF00



00E169



657065



04B000



013000



# Inverse Universe

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



DC00E1



F900FF



E10078



706570



AC00B0

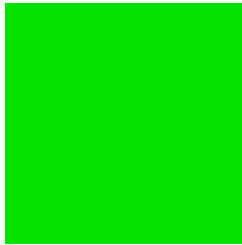


2F0030



# Previews

## White Background



This preview shows how the Hex color 05E100 looks on a white background.

## Color Contrast Check

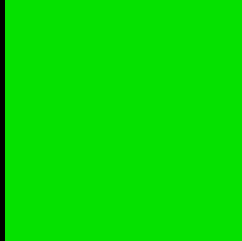
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 05E100 looks on a black 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

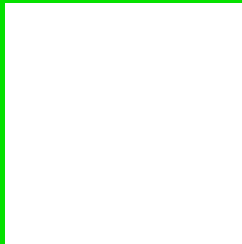
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 05E100 Background



This preview shows how black text looks on a background with the Hex color 05E100.



This preview shows how white text looks on a background with the Hex color 05E100.

# 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](#).

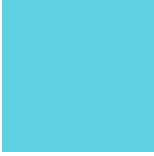
## Dichromacy



**Original Color**  
05E100

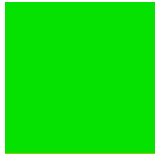
**Protanopia**  
D9C100

**Deuteranopia**  
F2B631



**Tritanopia**  
5ED1E2

# Trichromacy



**Original Color**  
05E100



**Protanomaly**  
8CCD00

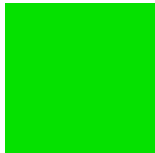


**Deuteranomaly**  
9CC61F



**Tritanomaly**  
3ED790

# Monochromacy



**Original Color**  
05E100



**Achromatopsia**  
868686



**Achromatomaly**  
57A755

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 05E100 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 #05E100 looks like.

```
.text, #text, p{  
    color:#05E100  
}
```

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 #05E100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #05E100
}
```

## Border

The CSS property to change the border of an element to Hex 05E100 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".

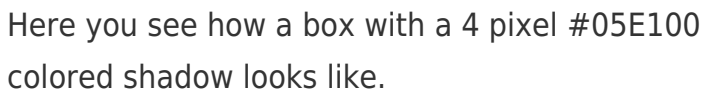
```
.border, #border, table{ border:4px solid
#05E100 }
```

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

```
.border{ border-color:#05E100 }
```

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

Here you see how a box with a 4 pixel #05E100 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #05E100; -webkit-box-shadow:4px 4px  
4px 4px #05E100; box-shadow:4px 4px 4px  
4px #05E100 }
```

# Background

The CSS property to change the background color of an element to Hex 05E100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#05E100 }
```

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

```
.background{ background-color:#05E100 }
```

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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