

# Converting Colors

Hex(96D12E)

Have a look what the booklet for  
Hex(96D12E) contains.

<b>Hex(96D12E)</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(96D12E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96D12E
RGB	150, 209, 46
RGB Percent	59%, 82%, 18%
CMY	0.4118, 0.1804, 0.8196
CMYK	0.28, 0.00, 0.78, 0.18
HSL	82°, 64%, 50%
HSV	82°, 78%, 82%
XYZ	35.8713, 52.2822, 10.7856
YIQ	172.7770, 17.1590, -63.2010

# Conversions

## Conversions Part 2

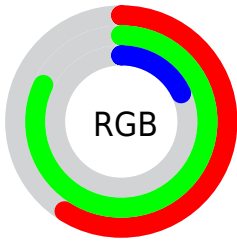
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 209, 105
Decimal	9883950
CIELab	77.45, -41.47, 68.58
CIELCh	77, 80.142, 121.159
Yxy	52.2822, 0.3626, 0.5284
Android (android.graphics.Color)	4288074030 (0xFF96D12E)
YUV	172.7770, -62.5011, -19.9754
Hunter-Lab	72.3064, -37.9823, 41.7705

# Details

The Hex color **96D12E** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle washed chartreuse. A complement of this color would be **692ED1**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **D0FF69**, and **5D9A00** is the 20% darker color. If you saturate the color by 10%, you get **8ED119**, and if you desaturate by 10%, it is **9ED143**.

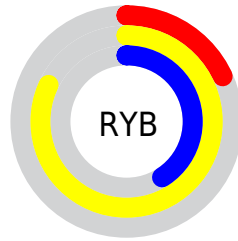
# Distribution



Red (59%)

Green (82%)

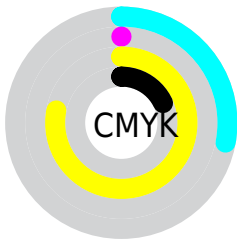
Blue (18%)



Red (18%)

Yellow (82%)

Blue (41%)

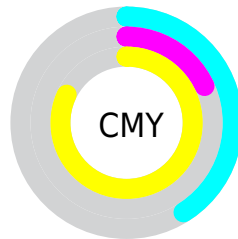


Cyan (28%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (41%)

Magenta (18%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 96D12E 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 96D12E by changing the saturation by 10% instead.



 96D12E

 96D12E

FFFFFF

 79B500

 D0FF69

 5D9A00

 EEFF85

 408000

 FFFFA2

 226600

 FFFFBE

 004E00

 FFFFDB

 003600

 FFFFF9

 002100

 000000

 96D12E

 96D12E

 8ED119

 9ED143

 87D104

 A5D158

 85D100

 ADD16D

 B4D182

 BCD197

 C3D1AB

 CBD1C0

 D3D1D5

 DAD1EA

# Harmonies

## Analogous

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



E1BD00



96D12E



00DD74

# Triad

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



96D12E



00D9FF



FF74C0

# Complementary

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



96D12E



692ED1

# 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.



FF88FF



96D12E



00C7FF

# Square

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



96D12E



00E1FF



C1AAFF



FF8177

# Rectangle

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



96D12E



00E1A6



C1AAFF



FF77D9

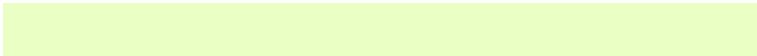


# Sweetspot

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



96D12E



EAFFC4



D1672E



73805C



000000



808080



# Same Dimension

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



96D12E



A8FF0F



46D12E



65695E



6BA800



1A2900



# Inverse Universe

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



692ED1



660FFF



B92ED1



625E69



3D00A8



0F0029



# Previews

## White Background



This preview shows how the Hex color 96D12E looks on a white background.

## Color Contrast Check

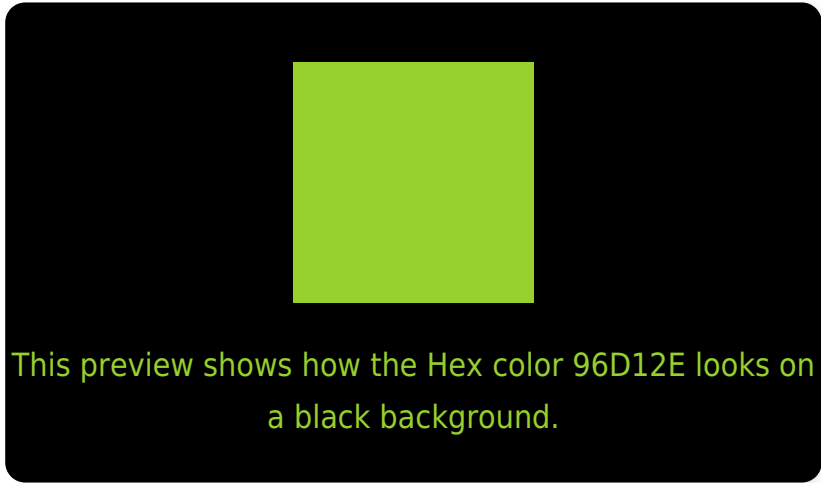
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 96D12E Background



This preview shows how black text looks on a background with the Hex color 96D12E.

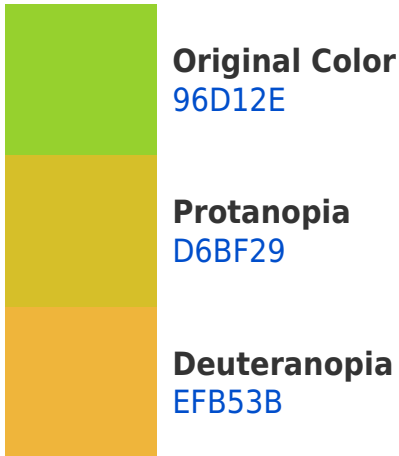


This preview shows how white text looks on a background with the Hex color 96D12E.

# 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





**Tritanopia**  
A9C3D2

# Trichromacy



**Original Color**  
96D12E



**Protanomaly**  
BFC62B



**Deuteranomaly**  
CFBF36



**Tritanomaly**  
A2C896

# Monochromacy



**Original Color**  
96D12E



**Achromatopsia**  
ADADAD



**Achromatomaly**  
A5BA7F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 96D12E 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 #96D12E looks like.

```
.text, #text, p{  
    color:#96D12E  
}
```

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 #96D12E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #96D12E
}
```

## Border

The CSS property to change the border of an element to Hex 96D12E 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
#96D12E }
```

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

```
.border{ border-color:#96D12E }
```

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

Here you see how a box with a 4 pixel #96D12E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #96D12E; -webkit-box-shadow:4px 4px  
4px 4px #96D12E; box-shadow:4px 4px 4px  
4px #96D12E }
```

# Background

The CSS property to change the background color of an element to Hex 96D12E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#96D12E }
```

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

```
.background{ background-color:#96D12E }
```

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