

# Converting Colors

Hex(CDE966)

Have a look what the booklet for  
Hex(CDE966) contains.

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**Color**

**Hex(CDE966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDE966
RGB	205, 233, 102
RGB Percent	80%, 91%, 40%
CMY	0.1961, 0.0863, 0.6000
CMYK	0.12, 0.00, 0.56, 0.09
HSL	73°, 75%, 66%
HSV	73°, 56%, 91%
XYZ	56.7140, 72.2163, 23.5204
YIQ	209.6940, 25.3630, -46.6770

# Conversions

## Conversions Part 2

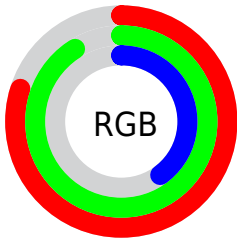
Format	Color
<a href="#">RYB</a>	<a href="#">102, 233, 130</a>
Decimal	<a href="#">13494630</a>
<a href="#">CIELab</a>	<a href="#">88.07, -27.65, 59.43</a>
<a href="#">CIElCh</a>	<a href="#">88, 65.549, 114.948</a>
<a href="#">Yxy</a>	<a href="#">72.2163, 0.3720, 0.4737</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291684710 (0xFFCDE966)</a>
<a href="#">YUV</a>	<a href="#">209.6940, -53.0931, -4.1166</a>
<a href="#">Hunter-Lab</a>	<a href="#">84.9802, -29.5880, 43.0761</a>

# Details

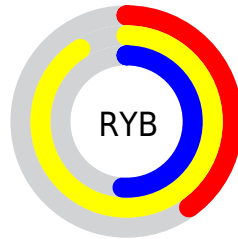
The Hex color **CDE966** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **8266E9**, and the grayscale version is **D2D2D2**.

A 20% lighter version of the original color is **FFFF9D**, and **94B12F** is the 20% darker color. If you saturate the color by 10%, you get **C8E94F**, and if you desaturate by 10%, it is **D2E97D**.

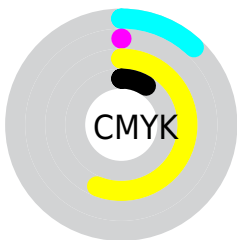
# Distribution



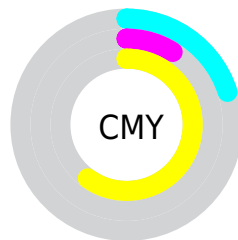
- Red (80%)
- Green (91%)
- Blue (40%)



- Red (40%)
- Yellow (91%)
- Blue (51%)



- Cyan (12%)
- Magenta (0%)
- Yellow (56%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CDE966 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 CDE966 by changing the saturation by 10% instead.



 CDE966

 CDE966

FFFFFF

 B0CD4B

 FFFF9D

 94B12F

 FFFFB9

 78970A

 FFFFFD5

 5D7D00

 FFFFF3

 436400

 284C00

 093500

 002100

 000000

 CDE966

 CDE966

 C8E94F

 D2E97D

 C3E937

 D7E995

 BEE920

 DCE9AC

 B9E909

 E1E9C3

 B7E900

 E6E9DB

 EBE9F2

 F0E9FF

 F5E9FF

 FAE9FF

# Harmonies

## Analogous

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



FFD65C



CDE966



80F592

# Triad

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



CDE966



00F5FF



FFA8EA

# Complementary

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



CDE966



8266E9

# 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.



FFB8FF



CDE966



34E7FF

# Square

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



CDE966



00FCFF



CFD1FF



FFABAC

# Rectangle

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



CDE966



17FABA



CFD1FF



FFABFF

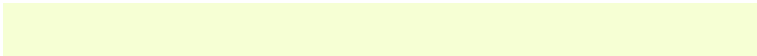


# Sweetspot

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



CDE966



F6FFD4



E98066



7A8066



000000



808080



# Same Dimension

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



CDE966



DAFF54



8DE966



73756A



8EB500



2A3600



# Inverse Universe

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



8266E9



7954FF



C266E9



6C6A75



2700B5



0B0036



# Previews

## White Background



This preview shows how the Hex color CDE966 looks on a white background.

## Color Contrast Check

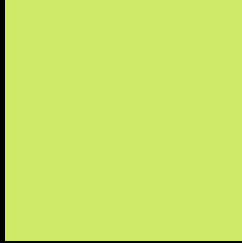
Large Text (above 18pt) WCAG AA × Fail

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 CDE966 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 CDE966 Background



This preview shows how black text looks on a background with the Hex color CDE966.

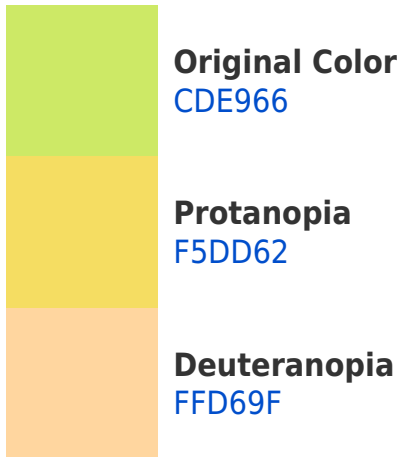


This preview shows how white text looks on a background with the Hex color CDE966.

# Color Blindness Simulation

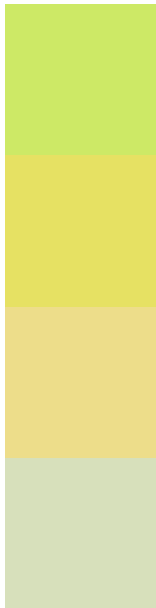
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



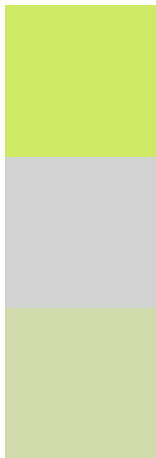
**Original Color**  
CDE966

**Protanomaly**  
E6E163

**Deuteranomaly**  
EDDD8A

**Tritanomaly**  
D7E0BB

# Monochromacy



**Original Color**  
CDE966

**Achromatopsia**  
D2D2D2

**Achromatomaly**  
D0DAAB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CDE966 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 #CDE966 looks like.

```
.text, #text, p{  
    color:#CDE966  
}
```

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 #CDE966 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CDE966
}
```

## Border

The CSS property to change the border of an element to Hex CDE966 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
#CDE966 }
```

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

```
.border{ border-color:#CDE966 }
```

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

Here you see how a box with a 4 pixel #CDE966 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CDE966; -webkit-box-shadow:4px 4px  
4px 4px #CDE966; box-shadow:4px 4px 4px  
4px #CDE966 }
```

# Background

The CSS property to change the background color of an element to Hex CDE966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CDE966 }
```

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

```
.background{ background-color:#CDE966 }
```

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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