

# Converting Colors

Hex(40E265)

Have a look what the booklet for  
Hex(40E265) contains.

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**Color**

**Hex(40E265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40E265
RGB	64, 226, 101
RGB Percent	25%, 89%, 40%
CMY	0.7490, 0.1137, 0.6039
CMYK	0.72, 0.00, 0.55, 0.11
HSL	134°, 74%, 57%
HSV	134°, 72%, 89%
XYZ	31.6597, 56.4223, 21.5339
YIQ	163.3120, -56.4270, -73.2190

# Conversions

## Conversions Part 2

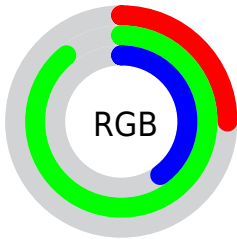
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 196, 226
Decimal	4252261
CIELab	79.85, -66.56, 48.74
CIELCh	80, 82.501, 143.787
Yxy	56.4223, 0.2888, 0.5147
Android (android.graphics.Color)	4282442341 (0xFF40E265)
YUV	163.3120, -30.7198, -87.0966
Hunter-Lab	75.1148, -56.2160, 35.5831

# Details

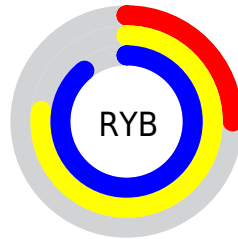
The Hex color **40E265** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **E240BD**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **84FF9B**, and **00A930** is the 20% darker color. If you saturate the color by 10%, you get **29E254**, and if you desaturate by 10%, it is **57E276**.

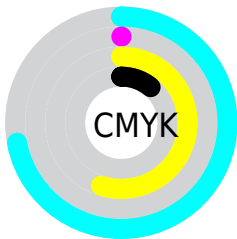
# Distribution



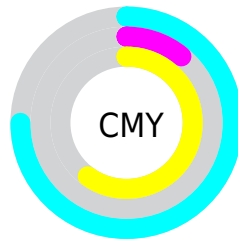
- Red (25%)
- Green (89%)
- Blue (40%)



- Red (25%)
- Yellow (77%)
- Blue (89%)



- Cyan (72%)
- Magenta (0%)
- Yellow (55%)
- Black (11%)



- Cyan (75%)
- Magenta (11%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40E265 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 40E265 by changing the saturation by 10% instead.



 40E265

 40E265

FFFFFF

 00C54B

 84FF9B

 00A930

 A4FFB6

 008E12

 C3FFD3

 007300

 E1FFF0

 005900

 004000

 002800

 000000

 40E265

 40E265

 29E254

 57E276

 13E242

 6DE288

 00E234

 84E299

 9AE2AB

 B1E2BC

 C8E2CE

 DEE2DF

 F5E2F1

 FFE2FF

# Harmonies

## Analogous

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



B0D41D



40E265



00E9B3

# Triad

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



40E265



00D4FF



FF7F8D

# Complementary

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



40E265



E240BD

# 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.



FF7AD9



40E265



A5B8FF

# Square

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



40E265



00E4FF



FF95FF



FF9D48

# Rectangle

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



40E265



00EAE8



FF95FF



FF79A6

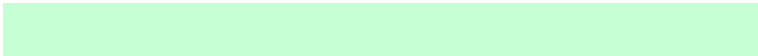


# Sweetspot

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



40E265



C7FFD4



BFE240



5E8066



000000



808080



# Same Dimension

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



40E265



24FF56



40E2B4



657068



00B028



00300B



# Inverse Universe

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



E240BD



FF24CD



E2406E



70656E



B00088

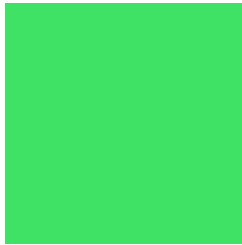


300025



# Previews

## White Background



This preview shows how the Hex color 40E265 looks on a white background.

## Color Contrast Check

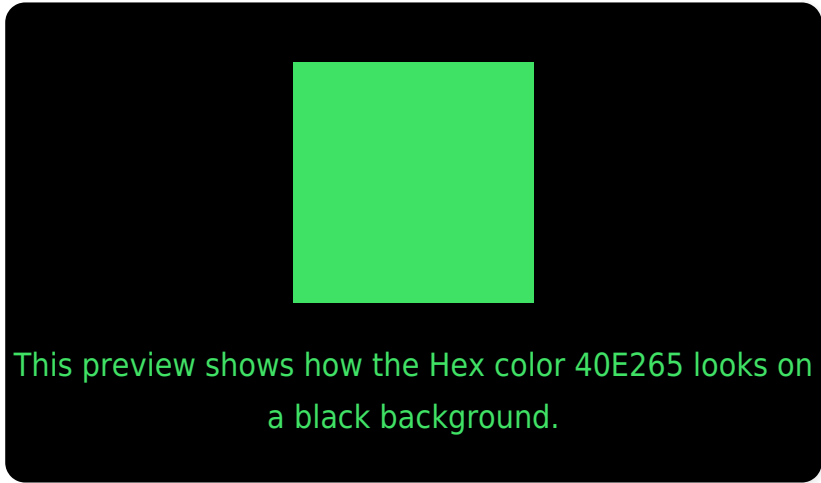
Large Text (above 18pt) WCAG AA × Fail

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 40E265 Background



This preview shows how black text looks on a background with the Hex color 40E265.

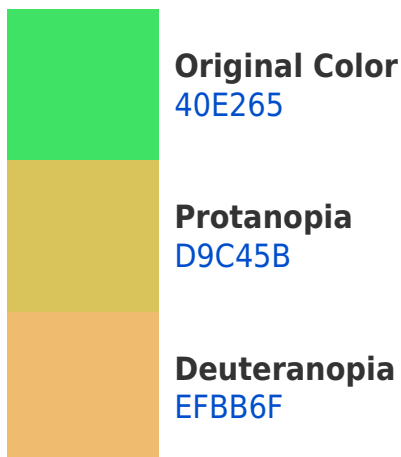


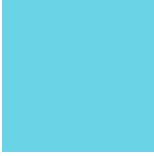
This preview shows how white text looks on a background with the Hex color 40E265.

# 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**  
6AD4E6

# Trichromacy



**Original Color**  
40E265



**Protanomaly**  
A1CF5F



**Deuteranomaly**  
AFC96B



**Tritanomaly**  
5BD9B7

# Monochromacy



**Original Color**  
40E265



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
7FBA8C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40E265 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 #40E265 looks like.

```
.text, #text, p{  
    color:#40E265  
}
```

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 #40E265 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40E265
}
```

## Border

The CSS property to change the border of an element to Hex 40E265 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
#40E265 }
```

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

```
.border{ border-color:#40E265 }
```

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

Here you see how a box with a 4 pixel #40E265 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40E265; -webkit-box-shadow:4px 4px  
4px 4px #40E265; box-shadow:4px 4px 4px  
4px #40E265 }
```

# Background

The CSS property to change the background color of an element to Hex 40E265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40E265 }
```

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

```
.background{ background-color:#40E265 }
```

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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