

# Converting Colors

Hex(2DE16A)

Have a look what the booklet for  
Hex(2DE16A) contains.

|  |    |
|--|----|
| <b>Hex(2DE16A)</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(2DE16A)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 2DE16A                       |
| RGB         | 45, 225, 106                 |
| RGB Percent | 18%, 88%, 42%                |
| CMY         | 0.8235, 0.1176, 0.5843       |
| CMYK        | 0.80, 0.00, 0.53, 0.12       |
| HSL         | 140°, 75%, 53%               |
| HSV         | 140°, 80%, 88%               |
| XYZ         | 30.6089, 55.4489, 22.7251    |
| YIQ         | 157.6140, -69.0810, -75.1690 |

# Conversions

## Conversions Part 2

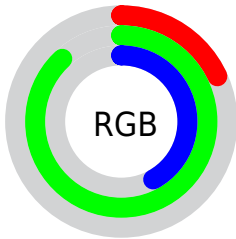
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">45, 179, 225</a>                     |
| Decimal                             | <a href="#">3006826</a>                          |
| CIELab                              | <a href="#">79.30, -68.05, 45.67</a>             |
| CIELCh                              | <a href="#">79, 81.958, 146.132</a>              |
| Yxy                                 | <a href="#">55.4489, 0.2814,<br/>0.5097</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4281196906<br/>(0xFF2DE16A)</a>      |
| YUV                                 | <a href="#">157.6140, -25.4457,<br/>-98.7625</a> |
| Hunter-Lab                          | <a href="#">74.4640, -56.9385,<br/>34.0305</a>   |

# Details

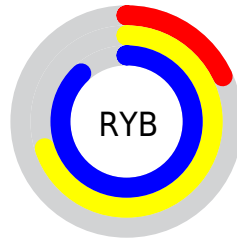
The Hex color **2DE16A** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **E12DA4**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **79FFA0**, and **00A836** is the 20% darker color. If you saturate the color by 10%, you get **16E15B**, and if you desaturate by 10%, it is **44E179**.

# Distribution



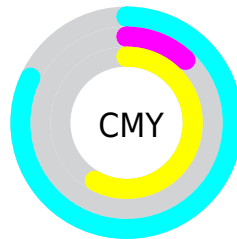
- Red (18%)
- Green (88%)
- Blue (42%)



- Red (18%)
- Yellow (70%)
- Blue (88%)



- Cyan (80%)
- Magenta (0%)
- Yellow (53%)
- Black (12%)



- Cyan (82%)
- Magenta (12%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DE16A 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 2DE16A by changing the saturation by 10% instead.



 2DE16A

 2DE16A

FFFFFF

 00C450

 79FFA0

 00A836

 99FFBB

 008D1B

 B8FFD8

 007200

 D7FFF5

 005800

 F7FFFF

 003F00

 002600

 000000

 2DE16A

 2DE16A

 16E15B

 44E179

 00E14C

 5AE188

 71E197

 87E1A5

 9DE1B4

 B4E1C3

 CBE1D2

 E1E1E1

 F8E1F0

# Harmonies

## Analogous

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



A8D423



2DE16A



00E7B8

# Triad

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



2DE16A



00D0FF



FF8086

# Complementary

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



2DE16A



E12DA4

# 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.



FF78D2



2DE16A



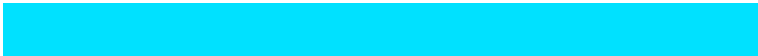
B0B4FF

# Square

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



2DE16A



00E1FF



FF91FF



FF9F43

# Rectangle

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



2DE16A



00E8ED



FF91FF



FF799F

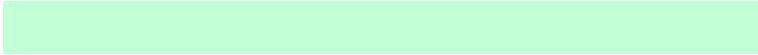


# Sweetspot

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



2DE16A



C2FFD7



A5E12D



5B8067



000000



808080



# Same Dimension

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



2DE16A



0AFF5D



2DE1C3



657069



00B03C



003010



# Inverse Universe

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



E12DA4



FF0AAC



E12D4B



70656C



B00074

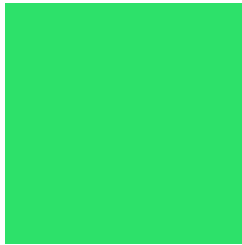


300020



# Previews

## White Background



This preview shows how the Hex color 2DE16A looks on a white background.

## Color Contrast Check

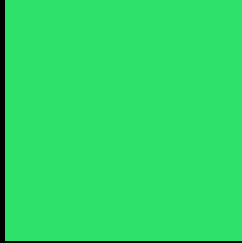
Large Text (above 18pt) WCAG AA × Fail

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 2DE16A 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 2DE16A Background



This preview shows how black text looks on a background with the Hex color 2DE16A.

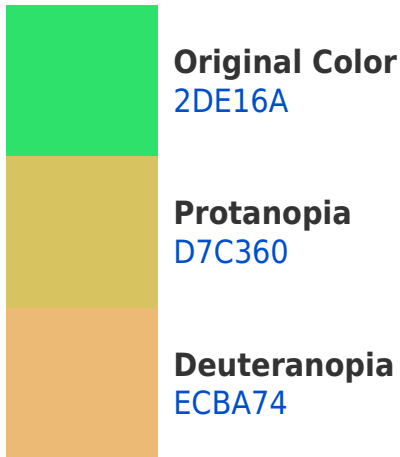


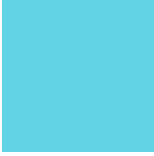
This preview shows how white text looks on a background with the Hex color 2DE16A.

# 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](#).

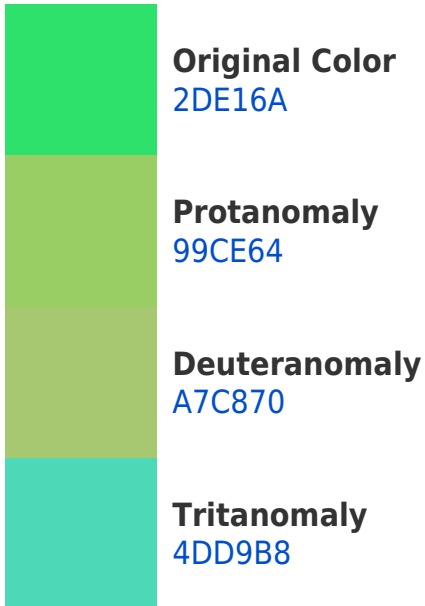
## Dichromacy



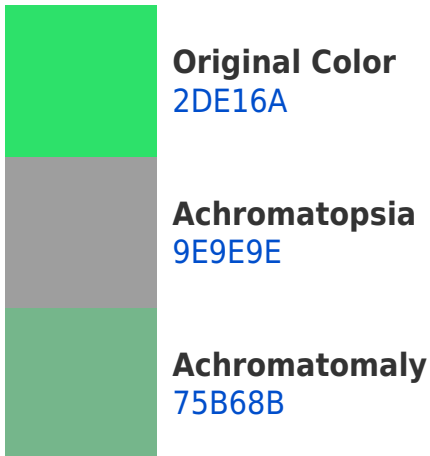


**Tritanopia**  
60D4E5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DE16A 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 #2DE16A looks like.

```
.text, #text, p{  
    color:#2DE16A  
}
```

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 #2DE16A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DE16A
}
```

## Border

The CSS property to change the border of an element to Hex 2DE16A 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
#2DE16A }
```

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

```
.border{ border-color:#2DE16A }
```

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

Here you see how a box with a 4 pixel #2DE16A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DE16A; -webkit-box-shadow:4px 4px  
4px 4px #2DE16A; box-shadow:4px 4px 4px  
4px #2DE16A }
```

# Background

The CSS property to change the background color of an element to Hex 2DE16A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DE16A }
```

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

```
.background{ background-color:#2DE16A }
```

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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