

# Converting Colors

Hex(2DE1A0)

Have a look what the booklet for  
Hex(2DE1A0) contains.

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# Color

Hex(2DE1A0)

# Conversions

## Conversions Part 1

Format	Color
Hex	2DE1A0
RGB	45, 225, 160
RGB Percent	18%, 88%, 63%
CMY	0.8235, 0.1176, 0.3725
CMYK	0.80, 0.00, 0.29, 0.12
HSL	158°, 75%, 53%
HSV	158°, 80%, 88%
XYZ	34.3526, 56.9464, 42.4389
YIQ	163.7700, -86.4150, -58.3750

# Conversions

## Conversions Part 2

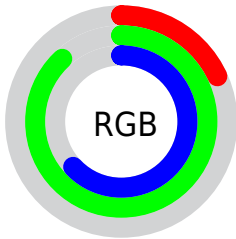
Format	Color
<a href="#">RYB</a>	<a href="#">45, 155, 225</a>
Decimal	<a href="#">3006880</a>
CIELab	<a href="#">80.15, -58.28, 19.68</a>
CIELCh	<a href="#">80, 61.512, 161.340</a>
Yxy	<a href="#">56.9464, 0.2569, 0.4258</a>
Android (android.graphics.Color)	<a href="#">4281196960 (0xFF2DE1A0)</a>
YUV	<a href="#">163.7700, -1.8586, -104.1613</a>
Hunter-Lab	<a href="#">75.4628, -50.8023, 19.4804</a>

# Details

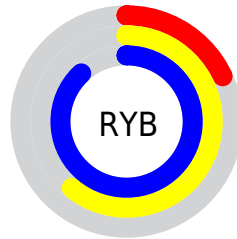
The Hex color **2DE1A0** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **E12D6E**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **79FFD7**, and **00A86C** is the 20% darker color. If you saturate the color by 10%, you get **16E198**, and if you desaturate by 10%, it is **44E1A8**.

# Distribution



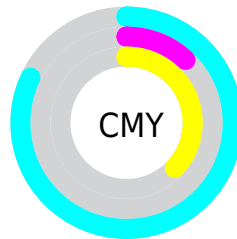
- Red (18%)
- Green (88%)
- Blue (63%)



- Red (18%)
- Yellow (61%)
- Blue (88%)



- Cyan (80%)
- Magenta (0%)
- Yellow (29%)
- Black (12%)



- Cyan (82%)
- Magenta (12%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DE1A0 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 2DE1A0 by changing the saturation by 10% instead.



 2DE1A0

 2DE1A0

FFFFFF

 00C486

 79FFD7

 00A86C

 99FFF3

 008D54

 B8FFFF

 00723C

 D7FFFF

 005926

 F6FFFF

 003F10

 002800

 000100

 000000

 2DE1A0


 2DE1A0

 16E198

 44E1A8

 00E190

 5AE1B0

 71E1B8

 87E1C1

 9DE1C9

 B4E1D1

 CBE1D9

 E1E1E1

 F8E1E9

# Harmonies

## Analogous

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



94D96D



2DE1A0



00E4DC

# Triad

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



2DE1A0



8AC6FF



FFA27E

# Complementary

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



2DE1A0



E12D6E

# 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.



FF95B3



2DE1A0



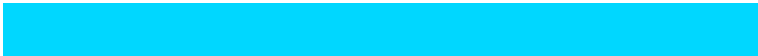
E7AFFF

# Square

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



2DE1A0



00D7FF



FF9BED



FFB758

# Rectangle

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



2DE1A0



00E2FF



FF9BED



FF9C8E

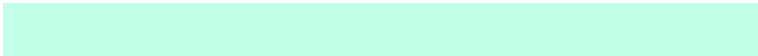


# Sweetspot

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



2DE1A0



C2FFE9



6FE12D



5B8072



000000



808080



# Same Dimension

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



2DE1A0



0AFFA7



2DC9E1



65706C



00B070



00301F



# Inverse Universe

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



E12D6E



FF0A63



E1452D



706569



B00040

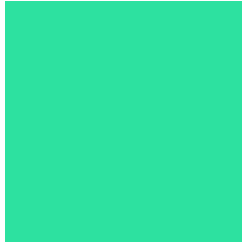


300011



# Previews

## White Background



This preview shows how the Hex color 2DE1A0 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 2DE1A0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

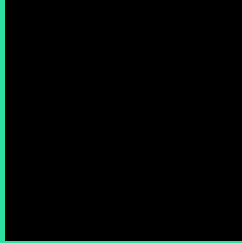
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

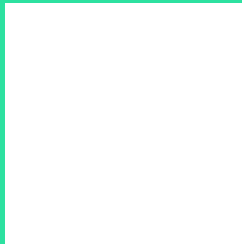
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2DE1A0 Background



This preview shows how black text looks on a background with the Hex color 2DE1A0.

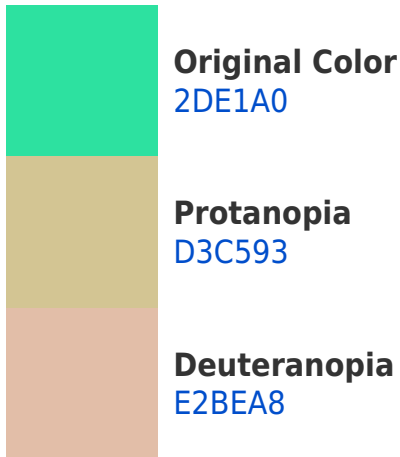


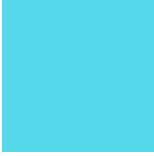
This preview shows how white text looks on a background with the Hex color 2DE1A0.

# 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**  
55D8E9

# Trichromacy



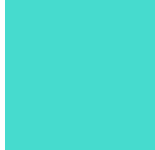
**Original Color**  
2DE1A0



**Protanomaly**  
97CF98



**Deuteranomaly**  
A0CBA5



**Tritanomaly**  
46DBCE

# Monochromacy



**Original Color**  
2DE1A0



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
79BAA3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DE1A0 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 #2DE1A0 looks like.

```
.text, #text, p{  
    color:#2DE1A0  
}
```

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 #2DE1A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DE1A0
}
```

## Border

The CSS property to change the border of an element to Hex 2DE1A0 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
#2DE1A0 }
```

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

```
.border{ border-color:#2DE1A0 }
```

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

Here you see how a box with a 4 pixel #2DE1A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DE1A0; -webkit-box-shadow:4px 4px  
4px 4px #2DE1A0; box-shadow:4px 4px 4px  
4px #2DE1A0 }
```

# Background

The CSS property to change the background color of an element to Hex 2DE1A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DE1A0 }
```

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

```
.background{ background-color:#2DE1A0 }
```

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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