

Converting Colors

Hex(02DEB6)

Have a look what the booklet for
Hex(02DEB6) contains.

Hex(02DEB6)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(02DEB6)

Conversions

Conversions Part 1

Format	Color
Hex	02DEB6
RGB	2, 222, 182
RGB Percent	1%, 87%, 71%
CMY	0.9922, 0.1294, 0.2863
CMYK	0.99, 0.00, 0.18, 0.13
HSL	169°, 98%, 44%
HSV	169°, 99%, 87%
XYZ	34.5898, 55.6329, 53.1711
YIQ	151.6600, -118.2800, -59.0800

Conversions

Conversions Part 2

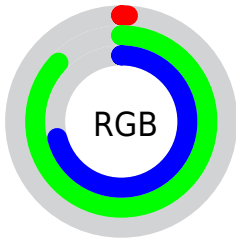
Format	Color
RYB	2, 123, 222
Decimal	188086
CIELab	79.40, -54.25, 6.99
CIELCh	79, 54.698, 172.653
Yxy	55.6329, 0.2412, 0.3880
Android (android.graphics.Color)	4278378166 (0xFF02DEB6)
YUV	151.6600, 14.9576, -131.2518
Hunter-Lab	74.5874, -47.7489, 9.9452

Details

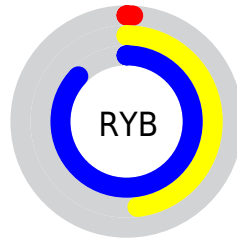
The Hex color **02DEB6** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **DE022A**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **6CFFEE**, and **00A681** is the 20% darker color. If you saturate the color by 10%, you get **00DEB6**, and if you desaturate by 10%, it is **18DEBA**.

Distribution



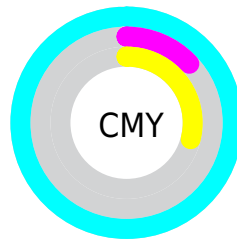
- Red (1%)
- Green (87%)
- Blue (71%)



- Red (1%)
- Yellow (48%)
- Blue (87%)



- Cyan (99%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)



- Cyan (99%)
- Magenta (13%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02DEB6 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 02DEB6 by changing the saturation by 10% instead.

 02DEB6

 02DEB6

FFFFFF

 00C29B

 6CFFEE

 00A681

 8EFFFF

 008A68

 AEFFFF

 007050

 CDFFFF

 005639

 EDFFFF

 003D24

 00270F

 000000

 02DEB6

 02DEB6

00DEB6

18DEBA

2EDEBE

45DEC2

5BDEC6

71DECA

87DECE

9DDED2

B4DED6

CADEDA

Harmonies

Analogous

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



80D885



02DEB6



00DEEA

Triad

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



02DEB6



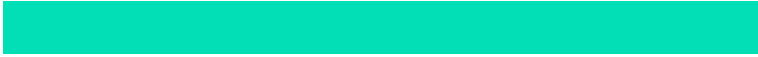
B5BCFF



FFAB75

Complementary

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



02DEB6



DE022A

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.



FF9DA0



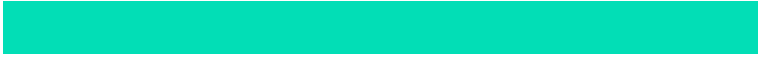
02DEB6



F8A9FF

Square

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



02DEB6



47CEFF



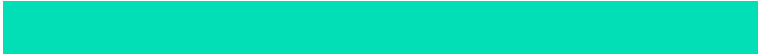
FF9BD3



EEBE5D

Rectangle

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



02DEB6



00DCFF



FF9BD3



FFA582

Sweetspot

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



02DEB6



B3FFF1



2ADE02



528077



000000



808080

Same Dimension

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



02DEB6



00FFD1



0298DE



65706E



00B090



003028

Inverse Universe

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



DE022A



FF002E



DE4802



706567



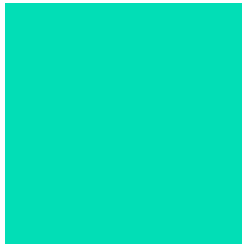
B00020



300009

Previews

White Background



This preview shows how the Hex color 02DEB6 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 02DEB6 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

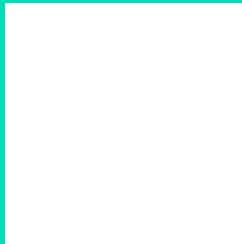
Any Text WCAG AAA ✓ Pass

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

Hex 02DEB6 Background



This preview shows how black text looks on a background with the Hex color 02DEB6.



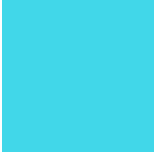
This preview shows how white text looks on a background with the Hex color 02DEB6.

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



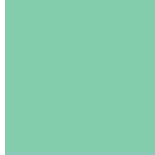


Tritanopia
41D7E9

Trichromacy



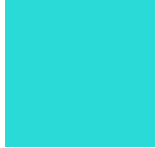
Original Color
02DEB6



Protanomaly
83CDAD



Deuteranomaly
8AC9BA



Tritanomaly
2ADAD6

Monochromacy



Original Color
02DEB6



Achromatopsia
989898



Achromatomaly
61B1A3

CSS Examples

Text

The CSS property to change the color of the text to Hex 02DEB6 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 #02DEB6 looks like.

```
.text, #text, p{  
    color:#02DEB6  
}
```

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 #02DEB6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02DEB6  
}
```

Border

The CSS property to change the border of an element to Hex 02DEB6 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  
#02DEB6 }
```

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

```
.border{ border-color:#02DEB6 }
```

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

Here you see how a box with a 4 pixel #02DEB6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02DEB6; -webkit-box-shadow:4px 4px  
4px 4px #02DEB6; box-shadow:4px 4px 4px  
4px #02DEB6 }
```

Background

The CSS property to change the background color of an element to Hex 02DEB6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02DEB6 }
```

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

```
.background{ background-color:#02DEB6 }
```

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