

Converting Colors

Hex(2DB0BD)

Have a look what the booklet for
Hex(2DB0BD) contains.

Hex(2DB0BD)	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(2DB0BD)

Conversions

Conversions Part 1

Format	Color
Hex	2DB0BD
RGB	45, 176, 189
RGB Percent	18%, 69%, 74%
CMY	0.8235, 0.3098, 0.2588
CMYK	0.76, 0.07, 0.00, 0.26
HSL	185°, 62%, 46%
HSV	185°, 76%, 74%
XYZ	25.7928, 35.2827, 53.5949
YIQ	138.3130, -82.2490, -23.7290

Conversions

Conversions Part 2

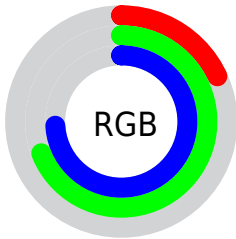
Format	Color
R _Y B	45, 114, 189
Decimal	2994365
CIE Lab	65.97, -29.60, -16.59
CIE LCh	66, 33.932, 209.267
Yxy	35.2827, 0.2249, 0.3077
Android (android.graphics.Color)	4281184445 (0xFF2DB0BD)
YUV	138.3130, 24.9887, -81.8355
Hunter-Lab	59.3992, -26.4389, -11.9169

Details

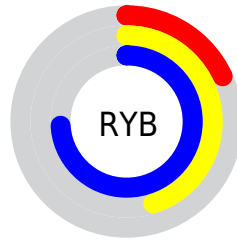
The Hex color **2DB0BD** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **BD3A2D**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **72E8F5**, and **007B88** is the 20% darker color. If you saturate the color by 10%, you get **1AAEBD**, and if you desaturate by 10%, it is **40B2BD**.

Distribution



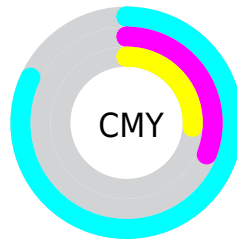
- Red (18%)
- Green (69%)
- Blue (74%)



- Red (18%)
- Yellow (45%)
- Blue (74%)



- Cyan (76%)
- Magenta (7%)
- Yellow (0%)
- Black (26%)



- Cyan (82%)
- Magenta (31%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DB0BD 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 2DB0BD by changing the saturation by 10% instead.

 2DB0BD

 2DB0BD

FFFFFF

 0095A2

 72E8F5

 007B88

 91FFFF

 00626E

 AFFFFFF

 004956

 CDFFFF

 00323F

 ECFFFF

 001E29

 000114

 000000

 2DB0BD

 2DB0BD

■ 1AAEBD

■ 40B2BD

■ 07ADBD

■ 53B3BD

■ 00ACBD

■ 66B5BD

■ 79B7BD

■ 8CB9BD

■ 9EBABD

■ B1BCBD

■ C4BEBD

■ D7BFBD

Harmonies

Analogous

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



4BB19E



2DB0BD



43ACD4

Triad

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



2DB0BD



C68EC0



B59E63

Complementary

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



2DB0BD



BD3A2D

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.



CE946D



2DB0BD



D989A2

Square

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



2DB0BD



A399D5



DB8B84



96A76A

Rectangle

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



2DB0BD



63A7DC



DB8B84



BF9B65

Sweetspot

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



2DB0BD



BCF0F5



2DBD39



58777A



FAFAFA



7A7A7A

Same Dimension

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



2DB0BD



16E1F5



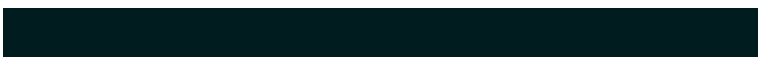
2D69BD



555D5E



00909E



001C1F

Inverse Universe

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



BD2DB0



F516E1



BD812D



5E555D



9E0090



1F001C

Previews

White Background



This preview shows how the Hex color 2DB0BD looks on a white background.

Color Contrast Check

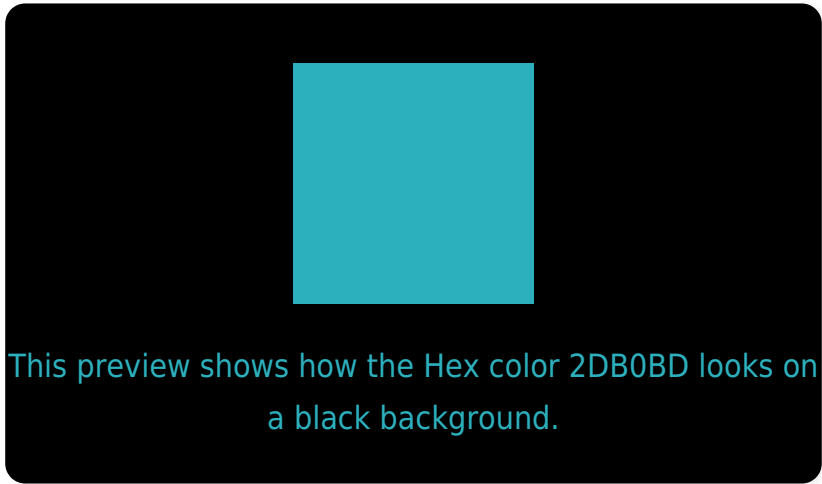
Large Text (above 18pt) WCAG AA × Fail

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

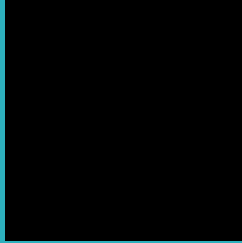
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

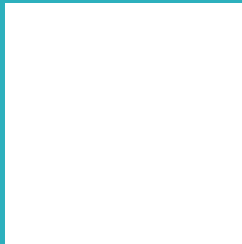
Any Text WCAG AAA ✓ Pass

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

Hex 2DB0BD Background



This preview shows how black text looks on a background with the Hex color 2DB0BD.

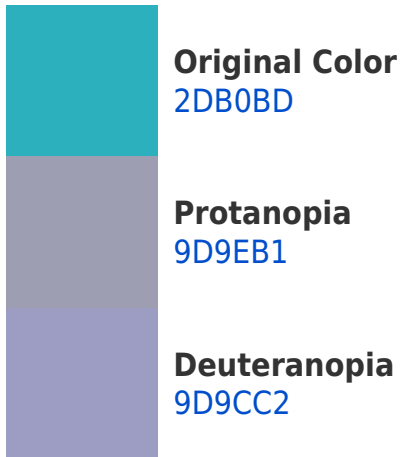


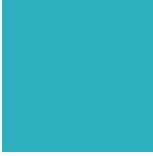
This preview shows how white text looks on a background with the Hex color 2DB0BD.

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
2DB0BD



Protanomaly
74A5B5



Deuteranomaly
74A3C0



Tritanomaly
2EB0BE

Monochromacy



Original Color
2DB0BD



Achromatopsia
8A8A8A



Achromatomaly
68989D

CSS Examples

Text

The CSS property to change the color of the text to Hex 2DB0BD 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 #2DB0BD looks like.

```
.text, #text, p{  
  color:#2DB0BD  
}
```

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 #2DB0BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DB0BD
}
```

Border

The CSS property to change the border of an element to Hex 2DB0BD 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
#2DB0BD }
```

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

```
.border{ border-color:#2DB0BD }
```

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

Here you see how a box with a 4 pixel #2DB0BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DB0BD; -webkit-box-shadow:4px 4px  
4px 4px #2DB0BD; box-shadow:4px 4px 4px  
4px #2DB0BD }
```

Background

The CSS property to change the background color of an element to Hex 2DB0BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DB0BD }
```

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

```
.background{ background-color:#2DB0BD }
```

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