

Converting Colors

Hex(2BD4E8)

Have a look what the booklet for
Hex(2BD4E8) contains.

Hex(2BD4E8)	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(2BD4E8)

Conversions

Conversions Part 1

Format	Color
Hex	2BD4E8
RGB	43, 212, 232
RGB Percent	17%, 83%, 91%
CMY	0.8314, 0.1686, 0.0902
CMYK	0.81, 0.09, 0.00, 0.09
HSL	186°, 80%, 54%
HSV	186°, 81%, 91%
XYZ	39.1052, 53.4268, 84.5953
YIQ	163.7490, -107.1440, -29.6080

Conversions

Conversions Part 2

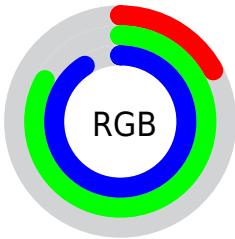
Format	Color
R _Y B	43, 132, 232
Decimal	2872552
CIE Lab	78.13, -33.84, -21.58
CIE LCh	78, 40.131, 212.522
Yxy	53.4268, 0.2208, 0.3016
Android (android.graphics.Color)	4281062632 (0xFF2BD4E8)
YUV	163.7490, 33.6477, -105.8969
Hunter-Lab	73.0936, -32.4159, -17.4541

Details

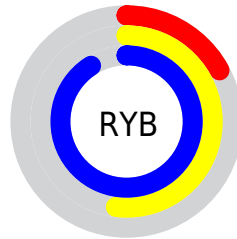
The Hex color **2BD4E8** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **E83F2B**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **7BFFFF**, and **009DB0** is the 20% darker color. If you saturate the color by 10%, you get **14D2E8**, and if you desaturate by 10%, it is **42D6E8**.

Distribution



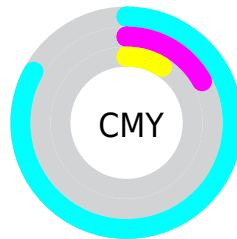
- Red (17%)
- Green (83%)
- Blue (91%)



- Red (17%)
- Yellow (52%)
- Blue (91%)



- Cyan (81%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (83%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2BD4E8 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 2BD4E8 by changing the saturation by 10% instead.

 2BD4E8

 2BD4E8

FFFFFF

 00B8CC

 7BFFFF

 009DB0

 9CFFFF

 008296

 BCFFFF

 00697C


 DBFFFF

 005063

 FBFFFF

 00384B

 002434

 00021F

 000003

■ 2BD4E8

■ 2BD4E8

■ 14D2E8

■ 42D6E8

■ 00CFE8

■ 59D9E8

■ 71DBE8

■ 88DEE8

■ 9FE0E8

■ B6E3E8

■ CDE5E8

■ E5E8E8

■ FCEAE8

Harmonies

Analogous

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



52D5C3



2BD4E8



51CEFF

Triad

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



2BD4E8



F3AAE4



D7C076

Complementary

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



2BD4E8



E83F2B

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.



F6B380



2BD4E8



FFA4BF

Square

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



2BD4E8



CAB6FF



FFA89B



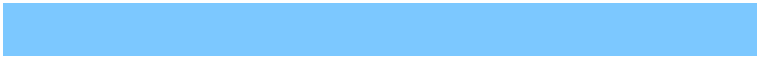
B0CB81

Rectangle

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



2BD4E8



7CC8FF



FFA89B



E2BC77

Sweetspot

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



2BD4E8



C2F9FF



2BE83E



5B7C80



000000



808080

Same Dimension

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



2BD4E8



05E5FF



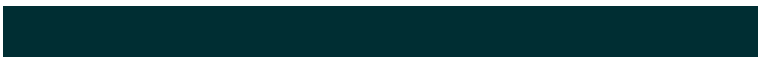
2B77E8



677273



00A0B3



002E33

Inverse Universe

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



E82BD4



FF05E5



E89C2B



736772



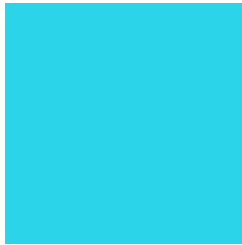
B300A0



33002E

Previews

White Background



This preview shows how the Hex color 2BD4E8 looks on a white background.

Color Contrast Check

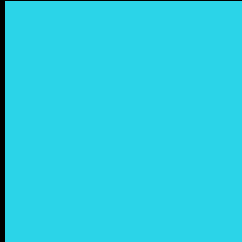
Large Text (above 18pt) WCAG AA × Fail

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 2BD4E8 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 2BD4E8 Background



This preview shows how black text looks on a background with the Hex color 2BD4E8.

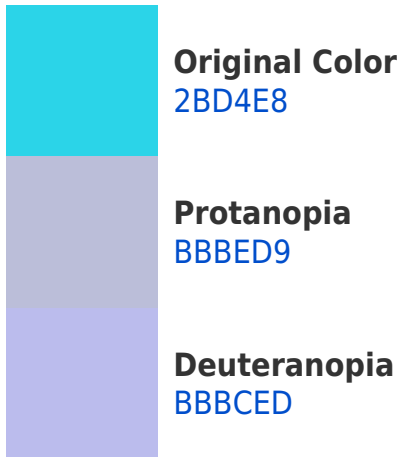


This preview shows how white text looks on a background with the Hex color 2BD4E8.

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



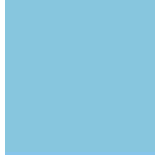


Tritanopia
28D4E6

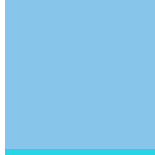
Trichromacy



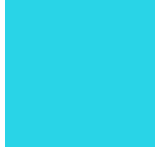
Original Color
2BD4E8



Protanomaly
87C6DE



Deuteranomaly
87C5EB

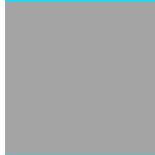


Tritanomaly
29D4E7

Monochromacy



Original Color
2BD4E8



Achromatopsia
A4A4A4



Achromatomaly
78B5BD

CSS Examples

Text

The CSS property to change the color of the text to Hex 2BD4E8 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 #2BD4E8 looks like.

```
.text, #text, p{  
    color:#2BD4E8  
}
```

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 #2BD4E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BD4E8
}
```

Border

The CSS property to change the border of an element to Hex 2BD4E8 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
#2BD4E8 }
```

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

```
.border{ border-color:#2BD4E8 }
```

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

Here you see how a box with a 4 pixel #2BD4E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BD4E8; -webkit-box-shadow:4px 4px  
4px 4px #2BD4E8; box-shadow:4px 4px 4px  
4px #2BD4E8 }
```

Background

The CSS property to change the background color of an element to Hex 2BD4E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BD4E8 }
```

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

```
.background{ background-color:#2BD4E8 }
```

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