

Converting Colors

Hex(46D1CE)

Have a look what the booklet for
Hex(46D1CE) contains.

Hex(46D1CE)	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(46D1CE)

Conversions

Conversions Part 1

Format	Color
Hex	46D1CE
RGB	70, 209, 206
RGB Percent	27%, 82%, 81%
CMY	0.7255, 0.1804, 0.1922
CMYK	0.67, 0.00, 0.01, 0.18
HSL	179°, 60%, 55%
HSV	179°, 67%, 82%
XYZ	36.4668, 51.3593, 66.3838
YIQ	167.0970, -81.8810, -30.4010

Conversions

Conversions Part 2

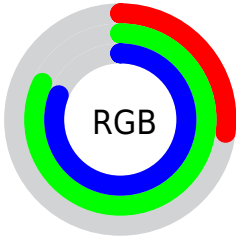
Format	Color
RYB	70, 140, 209
Decimal	4641230
CIELab	76.90, -37.09, -9.42
CIELCh	77, 38.272, 194.254
Yxy	51.3593, 0.2365, 0.3330
Android (android.graphics.Color)	4282831310 (0xFF46D1CE)
YUV	167.0970, 19.1792, -85.1541
Hunter-Lab	71.6654, -34.5849, -4.7547

Details

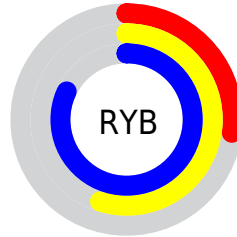
The Hex color **46D1CE** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **D14649**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **88FFFF**, and **009A98** is the 20% darker color. If you saturate the color by 10%, you get **31D1CE**, and if you desaturate by 10%, it is **5BD1CE**.

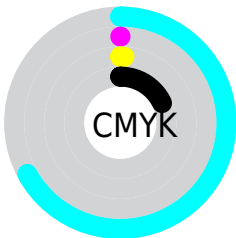
Distribution



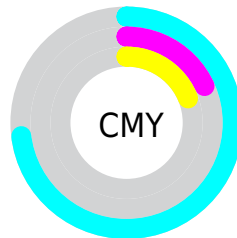
- Red (27%)
- Green (82%)
- Blue (81%)



- Red (27%)
- Yellow (55%)
- Blue (82%)



- Cyan (67%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (73%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46D1CE 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 46D1CE by changing the saturation by 10% instead.

 46D1CE

 46D1CE

FFFFFF

 16B5B3

 88FFFF

 009A98

 A6FFFF

 007F7E


 C5FFFF

 006665

 E3FFFF

 004D4D

 003536

 002121

 00000A

 000000

■ 46D1CE

■ 46D1CE

■ 31D1CE

■ 5BD1CE

■ 1CD1CD

■ 70D1CF

■ 07D1CD

■ 85D1CF

■ 00D1CC

■ 9AD1D0

■ AFD1D0

■ C3D1D1

■ D8D1D1

■ EDD1D2

■ FFD1D2

Harmonies

Analogous

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



72D0A9



46D1CE



3DCEEE

Triad

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



46D1CE



D7AFF1



E6B57A

Complementary

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



46D1CE



D14649

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.



FDA88E



46D1CE



F7A5D2

Square

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



46D1CE



A7BBFF



FFA3AE



C5C178

Rectangle

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



46D1CE



5ACAFD



FFA3AE



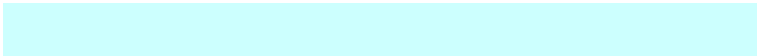
EFB17F

Sweetspot

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



46D1CE



CCFFFE



4BD146



61807F



000000



808080

Same Dimension

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



46D1CE



33FFFB



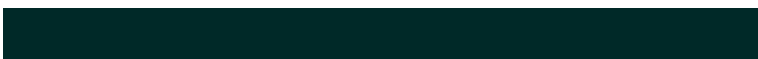
4690D1



5E6968



00A8A5



002928

Inverse Universe

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



D14649



FF3337



D18746



695E5E



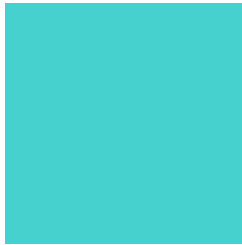
A80004



290001

Previews

White Background



This preview shows how the Hex color 46D1CE looks on a white background.

Color Contrast Check

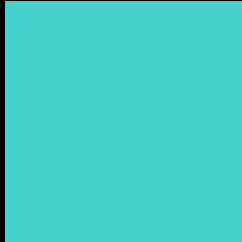
Large Text (above 18pt) WCAG AA × Fail

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 46D1CE looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

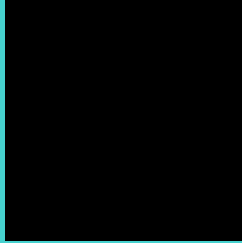
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

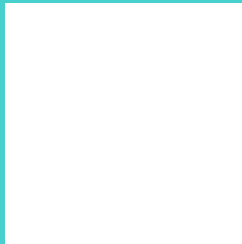
Any Text WCAG AAA ✓ Pass

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

Hex 46D1CE Background



This preview shows how black text looks on a background with the Hex color 46D1CE.

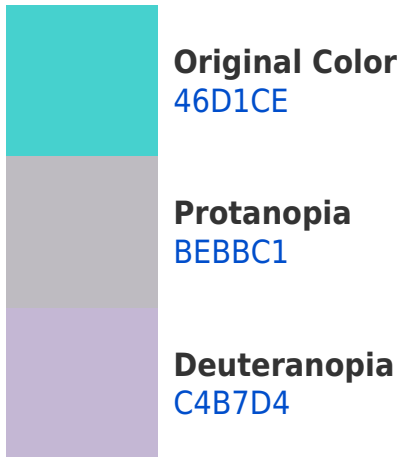


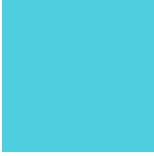
This preview shows how white text looks on a background with the Hex color 46D1CE.

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
4FCEDF

Trichromacy



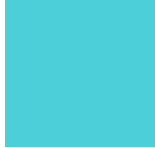
Original Color
46D1CE



Protanomaly
92C3C6



Deuteranomaly
96C0D2



Tritanomaly
4CCFD9

Monochromacy



Original Color
46D1CE



Achromatopsia
A7A7A7



Achromatomaly
84B6B5

CSS Examples

Text

The CSS property to change the color of the text to Hex 46D1CE 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 #46D1CE looks like.

```
.text, #text, p{  
    color:#46D1CE  
}
```

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 #46D1CE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46D1CE
}
```

Border

The CSS property to change the border of an element to Hex 46D1CE 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
#46D1CE }
```

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

```
.border{ border-color:#46D1CE }
```

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

Here you see how a box with a 4 pixel #46D1CE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46D1CE; -webkit-box-shadow:4px 4px  
4px 4px #46D1CE; box-shadow:4px 4px 4px  
4px #46D1CE }
```

Background

The CSS property to change the background color of an element to Hex 46D1CE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46D1CE }
```

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

```
.background{ background-color:#46D1CE }
```

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