

Converting Colors

Hex(46DCCD)

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

Hex(46DCCD)	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(46DCCD)

Conversions

Conversions Part 1

Format	Color
Hex	46DCCD
RGB	70, 220, 205
RGB Percent	27%, 86%, 80%
CMY	0.7255, 0.1373, 0.1961
CMYK	0.68, 0.00, 0.07, 0.14
HSL	174°, 68%, 57%
HSV	174°, 68%, 86%
XYZ	39.1384, 56.8963, 66.6769
YIQ	173.4400, -84.5850, -36.4650

Conversions

Conversions Part 2

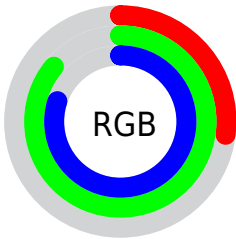
Format	Color
RYB	70, 149, 220
Decimal	4644045
CIELab	80.12, -42.33, -4.11
CIELCh	80, 42.530, 185.548
Yxy	56.8963, 0.2405, 0.3497
Android (android.graphics.Color)	4282834125 (0xFF46DCCD)
YUV	173.4400, 15.5591, -90.7169
Hunter-Lab	75.4296, -39.3829, 0.3907

Details

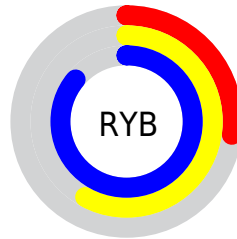
The Hex color **46DCCD** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **DC4655**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **89FFFF**, and **00A497** is the 20% darker color. If you saturate the color by 10%, you get **30DCCB**, and if you desaturate by 10%, it is **5CDCCF**.

Distribution



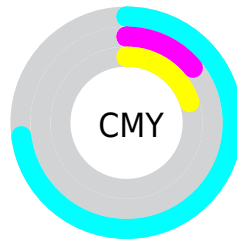
- Red (27%)
- Green (86%)
- Blue (80%)



- Red (27%)
- Yellow (58%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



- Cyan (73%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients

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

 46DCCD

 46DCCD

FFFFFF

 13C0B2

 89FFFF

 00A497

 A8FFFF

 00897D

 C6FFFF

 006F64

 E5FFFF

 00564C

 003E36

 002920

 00010A

 000000

 46DCCD

 46DCCD

 30DCCB

 5CDCCF

 1ADCC9

 72DCD1

 04DCC6

 88DCD4

 00DCC6

 9EDCD6

 B4DCD8

 CADCDA

 E0DCDC

 F6DCDF

 FFDCE1

Harmonies

Analogous

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



7FD9A5



46DCCD



11DAF4

Triad

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



46DCCD



D5BAFF



FCB97F

Complementary

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



46DCCD



DC4655

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.



FFAD9B



46DCCD



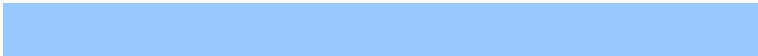
FFADE8

Square

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



46DCCD



99C8FF



FFA8C1



DAC777

Rectangle

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



46DCCD



39D6FF



FFA8C1



FFB487

Sweetspot

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



46DCCD



CCFFFA



55DC46



61807C



000000



808080

Same Dimension

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



46DCCD



2EFFEA



46A0DC



636E6D



00AD9C



002E29

Inverse Universe

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



DC4655



FF2E43



DC8246



6E6364



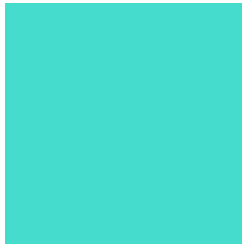
AD0011



2E0005

Previews

White Background



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

Color Contrast Check

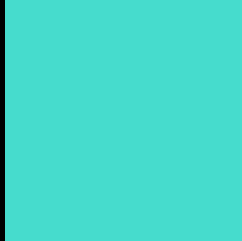
Large Text (above 18pt) WCAG AA × Fail

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 46DCCD looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

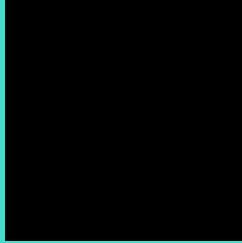
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

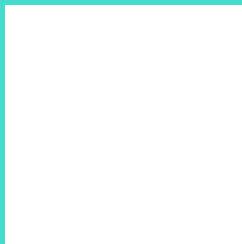
Any Text WCAG AAA ✓ Pass

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

Hex 46DCCD Background



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

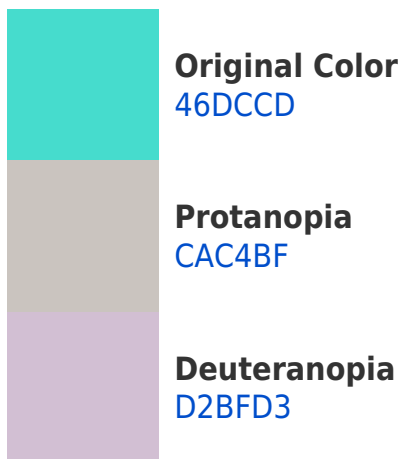


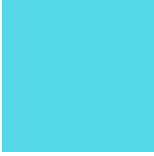
This preview shows how white text looks on a background with the Hex color 46DCCD.

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
54D8E9

Trichromacy



Original Color
46DCCD



Protanomaly
9ACDC4



Deuteranomaly
9FCAD1

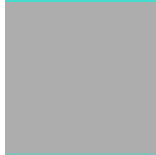


Tritanomaly
4FD9DF

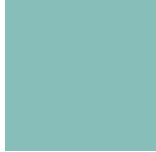
Monochromacy



Original Color
46DCCD



Achromatopsia
ADADAD



Achromatomaly
88BEB9

CSS Examples

Text

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

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

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 #46DCCD colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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