

Converting Colors

Hex(46D4D7)

Have a look what the booklet for
Hex(46D4D7) contains.

Hex(46D4D7)	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(46D4D7)

Conversions

Conversions Part 1

Format	Color
Hex	46D4D7
RGB	70, 212, 215
RGB Percent	27%, 83%, 84%
CMY	0.7255, 0.1686, 0.1569
CMYK	0.67, 0.01, 0.00, 0.16
HSL	181°, 64%, 56%
HSV	181°, 67%, 84%
XYZ	38.3350, 53.2954, 72.5565
YIQ	169.8840, -85.5950, -29.1710

Conversions

Conversions Part 2

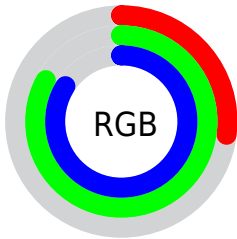
Format	Color
RYB	70, 142, 215
Decimal	4642007
CIELab	78.05, -35.96, -12.54
CIElCh	78, 38.085, 199.219
Yxy	53.2954, 0.2335, 0.3246
Android (android.graphics.Color)	4282832087 (0xFF46D4D7)
YUV	169.8840, 22.2422, -87.5983
Hunter-Lab	73.0037, -34.0241, -7.8243

Details

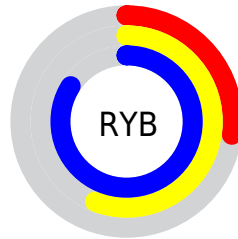
The Hex color **46D4D7** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **D74946**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **89FFFF**, and **009DA0** is the 20% darker color. If you saturate the color by 10%, you get **31D4D7**, and if you desaturate by 10%, it is **5CD4D7**.

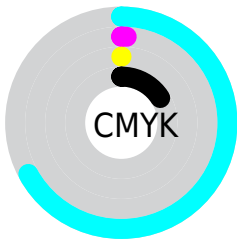
Distribution



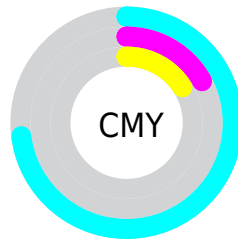
- Red (27%)
- Green (83%)
- Blue (84%)



- Red (27%)
- Yellow (56%)
- Blue (84%)



- Cyan (67%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (73%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46D4D7 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 46D4D7 by changing the saturation by 10% instead.

 46D4D7

 46D4D7

FFFFFF

 13B8BB

 89FFFF

 009DA0

 A8FFFF

 008286

 C6FFFF

 00696D

 E5FFFF

 005055

 00383E

 002428

 000114

 000000

■ 46D4D7

■ 46D4D7

■ 31D4D7

■ 5CD4D7

■ 1BD3D7

■ 71D5D7

■ 05D3D7

■ 87D5D7

■ 00D3D7

■ 9CD6D7

■ B2D6D7

■ C7D7D7

■ DDD7D7

■ F2D8D7

■ FFD8D7

Harmonies

Analogous

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



6ED3B3



46D4D7



48D0F5

Triad

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



46D4D7



E1B0EF



E4BA7C

Complementary

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



46D4D7



D74946

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.



FDAF8D



46D4D7



FEA7CF

Square

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



46D4D7



B3BCFF



FFA7AB



C2C67D

Rectangle

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



46D4D7



68CBFF



FFA7AB



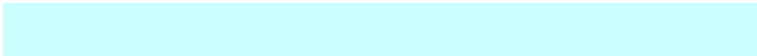
EEB67F

Sweetspot

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



46D4D7



CCFEFF



46D748



617F80



000000



808080

Same Dimension

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



46D4D7



30FBFF



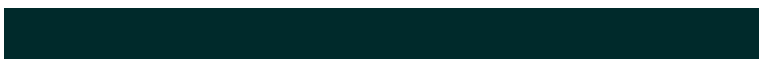
468CD7



606B6B



00A7AB



002A2B

Inverse Universe

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



D746D4



FF30FB



D79146



6B606B



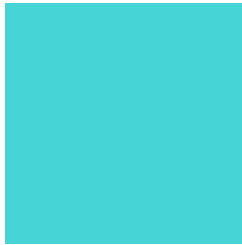
AB00A7



2B002A

Previews

White Background



This preview shows how the Hex color 46D4D7 looks on a white background.

Color Contrast Check

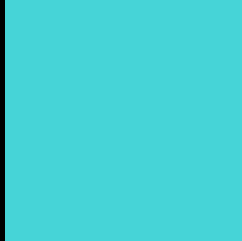
Large Text (above 18pt) WCAG AA × Fail

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 46D4D7 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

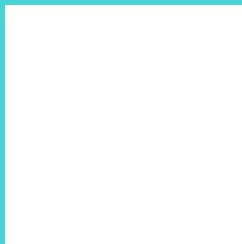
Any Text WCAG AAA ✓ Pass

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

Hex 46D4D7 Background



This preview shows how black text looks on a background with the Hex color 46D4D7.

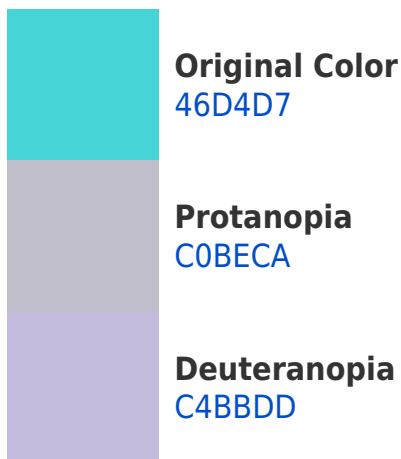


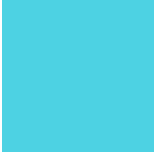
This preview shows how white text looks on a background with the Hex color 46D4D7.

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
4DD2E3

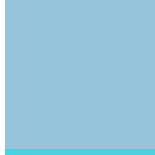
Trichromacy



Original Color
46D4D7



Protanomaly
94C6CF



Deuteranomaly
96C4DB

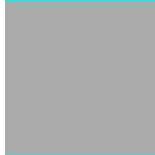


Tritanomaly
4AD3DF

Monochromacy



Original Color
46D4D7



Achromatopsia
AAAAAA



Achromatomaly
86B9BA

CSS Examples

Text

The CSS property to change the color of the text to Hex 46D4D7 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 #46D4D7 looks like.

```
.text, #text, p{  
    color:#46D4D7  
}
```

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 #46D4D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46D4D7
}
```

Border

The CSS property to change the border of an element to Hex 46D4D7 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
#46D4D7 }
```

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

```
.border{ border-color:#46D4D7 }
```

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

Here you see how a box with a 4 pixel #46D4D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46D4D7; -webkit-box-shadow:4px 4px  
4px 4px #46D4D7; box-shadow:4px 4px 4px  
4px #46D4D7 }
```

Background

The CSS property to change the background color of an element to Hex 46D4D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46D4D7 }
```

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

```
.background{ background-color:#46D4D7 }
```

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