

Converting Colors

Hex(46D2C2)

Have a look what the booklet for
Hex(46D2C2) contains.

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Color

Hex(46D2C2)

Conversions

Conversions Part 1

Format	Color
Hex	46D2C2
RGB	70, 210, 194
RGB Percent	27%, 82%, 76%
CMY	0.7255, 0.1765, 0.2392
CMYK	0.67, 0.00, 0.08, 0.18
HSL	173°, 61%, 55%
HSV	173°, 67%, 82%
XYZ	35.3100, 51.2903, 59.0779
YIQ	166.3160, -78.3040, -34.6560

Conversions

Conversions Part 2

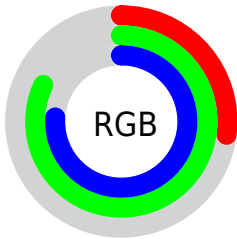
Format	Color
RYB	70, 144, 210
Decimal	4641474
CIELab	76.85, -40.80, -3.03
CIElCh	77, 40.910, 184.248
Yxy	51.2903, 0.2424, 0.3521
Android (android.graphics.Color)	4282831554 (0xFF46D2C2)
YUV	166.3160, 13.6482, -84.4691
Hunter-Lab	71.6173, -37.3230, 1.2231

Details

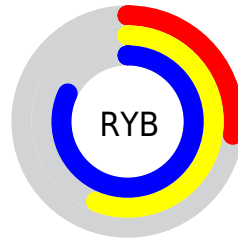
The Hex color **46D2C2** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **D24656**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **87FFFA**, and **009B8D** is the 20% darker color. If you saturate the color by 10%, you get **31D2C0**, and if you desaturate by 10%, it is **5BD2C4**.

Distribution



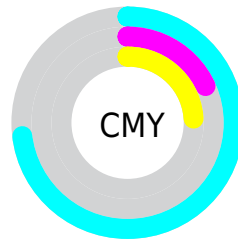
- Red (27%)
- Green (82%)
- Blue (76%)



- Red (27%)
- Yellow (56%)
- Blue (82%)



- Cyan (67%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)



- Cyan (73%)
- Magenta (18%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46D2C2 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 46D2C2 by changing the saturation by 10% instead.

 46D2C2

 46D2C2

FFFFFF

 18B6A7

 87FFFA

 009B8D

 A5FFFF

 008073

 C4FFFF

 00665B

 E2FFFF

 004D43

 00362D

 002019

 000000

 46D2C2

 46D2C2

 31D2C0

 5BD2C4

 1CD2BD

 70D2C7

 07D2BB

 85D2C9

 00D2BA

 9AD2CC

 AFD2CE

 C4D2D0

 D9D2D3

 EED2D5

 FFD2D8

Harmonies

Analogous

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



7BCF9C



46D2C2



14D1E7

Triad

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



46D2C2



C9B2FC



F2B07A

Complementary

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



46D2C2



D24656

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.



FFA595



46D2C2



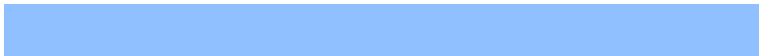
F2A5DF

Square

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



46D2C2



90C0FF



FFA0BA



D1BD71

Rectangle

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



46D2C2



34CDFA



FFA0BA



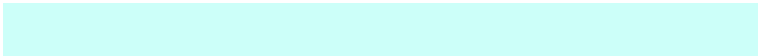
FAAC82

Sweetspot

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



46D2C2



CCFFF9



56D246



61807C



000000



808080

Same Dimension

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



46D2C2



33FFE8



469CD2



5E6967



00A895



002924

Inverse Universe

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



D24656



FF334A



D27C46



695E5F



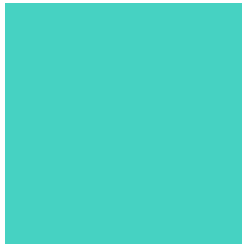
A80013



290005

Previews

White Background



This preview shows how the Hex color 46D2C2 looks on a white background.

Color Contrast Check

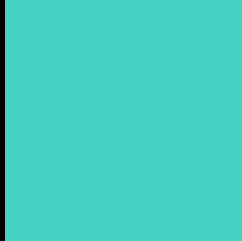
Large Text (above 18pt) WCAG AA × Fail

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 46D2C2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

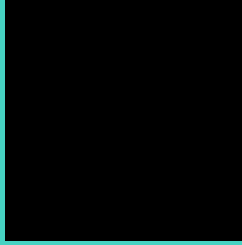
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

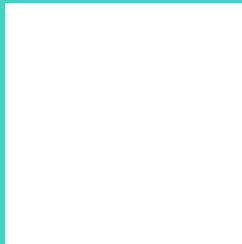
Any Text WCAG AAA ✓ Pass

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

Hex 46D2C2 Background



This preview shows how black text looks on a background with the Hex color 46D2C2.



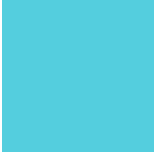
This preview shows how white text looks on a background with the Hex color 46D2C2.

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

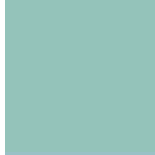




Trichromacy



Original Color
46D2C2



Protanomaly
94C3BA



Deuteranomaly
99C1C6

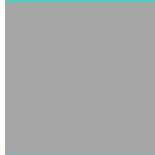


Tritanomaly
4FCFD4

Monochromacy



Original Color
46D2C2



Achromatopsia
A6A6A6



Achromatomaly
83B6B0

CSS Examples

Text

The CSS property to change the color of the text to Hex 46D2C2 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 #46D2C2 looks like.

```
.text, #text, p{  
    color:#46D2C2  
}
```

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 #46D2C2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46D2C2
}
```

Border

The CSS property to change the border of an element to Hex 46D2C2 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
#46D2C2 }
```

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

```
.border{ border-color:#46D2C2 }
```

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

Here you see how a box with a 4 pixel #46D2C2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46D2C2; -webkit-box-shadow:4px 4px  
4px 4px #46D2C2; box-shadow:4px 4px 4px  
4px #46D2C2 }
```

Background

The CSS property to change the background color of an element to Hex 46D2C2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46D2C2 }
```

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

```
.background{ background-color:#46D2C2 }
```

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](#).

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