

# Converting Colors

Hex(42DDC4)

Have a look what the booklet for  
Hex(42DDC4) contains.

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# Color

**Hex(42DDC4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42DDC4
RGB	66, 221, 196
RGB Percent	26%, 87%, 77%
CMY	0.7412, 0.1333, 0.2314
CMYK	0.70, 0.00, 0.11, 0.13
HSL	170°, 70%, 56%
HSV	170°, 70%, 87%
XYZ	38.0670, 56.8567, 61.1926
YIQ	171.8050, -84.3550, -40.6350

# Conversions

## Conversions Part 2

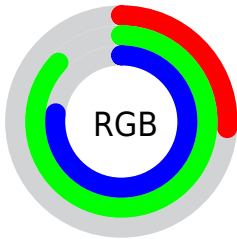
Format	Color
<a href="#">RYB</a>	<a href="#">66, 150, 221</a>
Decimal	<a href="#">4382148</a>
CIELab	<a href="#">80.10, -45.66, 0.64</a>
CIELCh	<a href="#">80, 45.665, 179.197</a>
Yxy	<a href="#">56.8567, 0.2438, 0.3642</a>
Android (android.graphics.Color)	<a href="#">4282572228 (0xFF42DDC4)</a>
YUV	<a href="#">171.8050, 11.9281, -92.7910</a>
Hunter-Lab	<a href="#">75.4034, -41.8410, 4.6663</a>

# Details

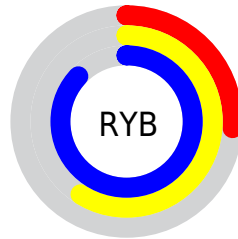
The Hex color **42DDC4** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **DD425B**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **86FFFD**, and **00A58E** is the 20% darker color. If you saturate the color by 10%, you get **2CDDC0**, and if you desaturate by 10%, it is **58DDC8**.

# Distribution



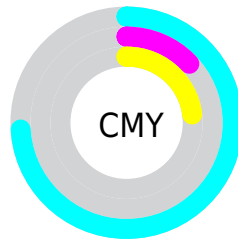
- Red (26%)
- Green (87%)
- Blue (77%)



- Red (26%)
- Yellow (59%)
- Blue (87%)



- Cyan (70%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)



- Cyan (74%)
- Magenta (13%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42DDC4 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 42DDC4 by changing the saturation by 10% instead.



 42DDC4

 42DDC4

FFFFFF

 06C1A9

 86FFFD

 00A58E

 A5FFFF

 008A75

 C3FFFF

 00705C

 E2FFFF

 005645

 003E2F

 00291A

 000100

 000000

 42DDC4

 42DDC4

 2CDDC0

 58DDC8

 16DDBD

 6EDDCB

 00DDB9

 84DDCF

 9ADDD2

 B1DDD6

 C7DDD9

 DDDDDD

 F3DDE1

 FFDDE4

# Harmonies

## Analogous

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



84D99A



42DDC4



00DCEF

# Triad

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



42DDC4



C9BCFF



FFB57F

# Complementary

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



42DDC4



DD425B

# 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.



FFA89F



42DDC4



FBADF3

# Square

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



42DDC4



83CBFF



FFA5C9



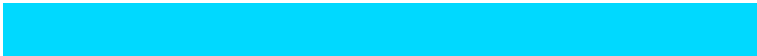
E3C470

# Rectangle

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



42DDC4



00D9FF



FFA5C9



FFB088

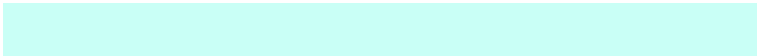


# Sweetspot

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



42DDC4



C9FFF6



5CDD42



60807A



000000



808080



# Same Dimension

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



42DDC4



29FFDC



42A9DD



636E6C



00AD91



002E26



# Inverse Universe

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



DD425B



FF294B



DD7642



6E6364



AD001C

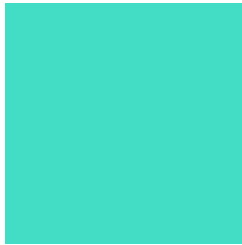


2E0007



# Previews

## White Background



This preview shows how the Hex color 42DDC4 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 42DDC4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

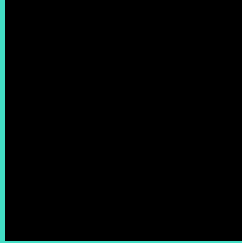
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

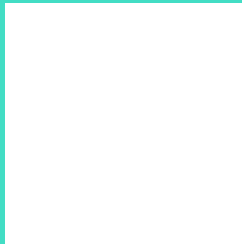
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42DDC4 Background



This preview shows how black text looks on a background with the Hex color 42DDC4.



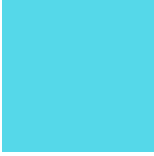
This preview shows how white text looks on a background with the Hex color 42DDC4.

# 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



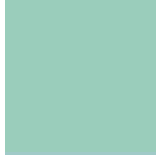


**Tritanopia**  
55D8E9

# Trichromacy



**Original Color**  
42DDC4



**Protanomaly**  
9ACDBB



**Deuteranomaly**  
A0CAC8

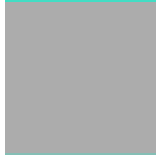


**Tritanomaly**  
4EDADC

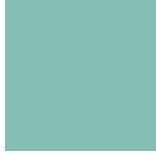
# Monochromacy



**Original Color**  
42DDC4



**Achromatopsia**  
ACACAC



**Achromatomaly**  
85BEB5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42DDC4 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 #42DDC4 looks like.

```
.text, #text, p{  
    color:#42DDC4  
}
```

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 #42DDC4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42DDC4
}
```

## Border

The CSS property to change the border of an element to Hex 42DDC4 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
#42DDC4 }
```

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

```
.border{ border-color:#42DDC4 }
```

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

Here you see how a box with a 4 pixel #42DDC4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42DDC4; -webkit-box-shadow:4px 4px  
4px 4px #42DDC4; box-shadow:4px 4px 4px  
4px #42DDC4 }
```

# Background

The CSS property to change the background color of an element to Hex 42DDC4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42DDC4 }
```

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

```
.background{ background-color:#42DDC4 }
```

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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