

# Converting Colors

Hex(42DECC)

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

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# **Color**

**Hex(42DECC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42DECC
RGB	66, 222, 204
RGB Percent	26%, 87%, 80%
CMY	0.7412, 0.1294, 0.2000
CMYK	0.70, 0.00, 0.08, 0.13
HSL	173°, 70%, 56%
HSV	173°, 70%, 87%
XYZ	39.2671, 57.7604, 66.2060
YIQ	173.3040, -87.1980, -38.6700

# Conversions

## Conversions Part 2

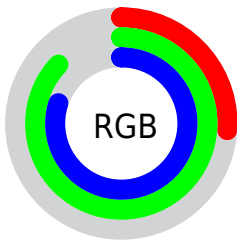
Format	Color
R <sub>YB</sub>	66, 149, 222
Decimal	4382412
CIE <sub>Lab</sub>	80.61, -44.01, -2.88
CIE <sub>LCh</sub>	81, 44.105, 183.739
Y <sub>xy</sub>	57.7604, 0.2406, 0.3539
Android (android.graphics.Color)	4282572492 (0xFF42DECC)
YUV	173.3040, 15.1331, -94.1056
Hunter-Lab	76.0003, -40.7748, 1.5510

# Details

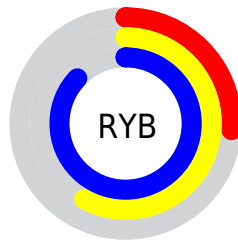
The Hex color **42DECC** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **DE4254**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **86FFFF**, and **00A696** is the 20% darker color. If you saturate the color by 10%, you get **2CDEC9**, and if you desaturate by 10%, it is **58DECF**.

# Distribution



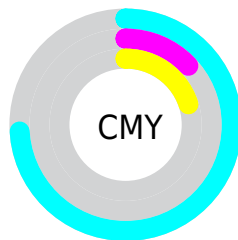
- Red (26%)
- Green (87%)
- Blue (80%)



- Red (26%)
- Yellow (58%)
- Blue (87%)



- Cyan (70%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (74%)
- Magenta (13%)
- Yellow (20%)

# Brightness & Saturation Gradients

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



 42DECC

 42DECC

FFFFFF

 03C2B1

 86FFFF

 00A696

 A6FFFF

 008B7C

 C4FFFF


 007163

 E3FFFF

 00584C

 003F35

 002A20

 000509

 000000

 42DECC

 42DECC

 2CDEC9

 58DECF

 16DEC7

 6EDED1

 00DEC4

 85DED4

 9BDED6

 B1DED9

 C7DEDB

 DDDEDE

 F4DEE0

 FFDEE3

# Harmonies

## Analogous

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



80DBA2



42DECC



00DDF4

# Triad

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



42DECC



D3BBFF



FFB97F

# Complementary

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



42DECC



DE4254

# 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.



FFAC9C



42DECC



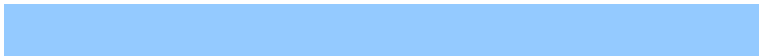
FFAEED

# Square

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



42DECC



94CAFF



FFA8C4



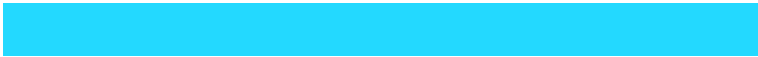
DEC775

# Rectangle

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



42DECC



23D9FF



FFA8C4



FFB487

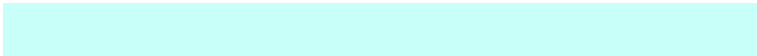


# Sweetspot

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



42DECC



C9FFF9



54DE42



60807C



000000



808080



# Same Dimension

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



42DECC



29FFE6



42A2DE



65706F



00B09C



00302B



# Inverse Universe

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



DE4254



FF2942



DE7E42



706566



B00014

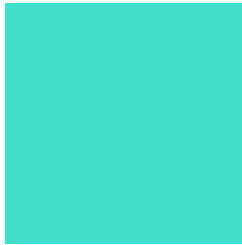


300006



# Previews

## White Background



This preview shows how the Hex color 42DECC looks on a white background.

## Color Contrast Check

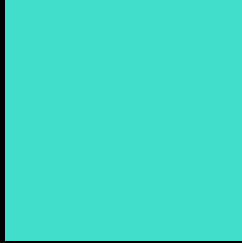
Large Text (above 18pt) WCAG AA × Fail

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 42DECC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

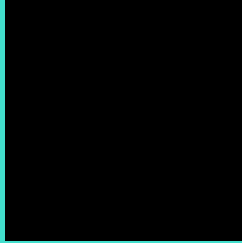
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

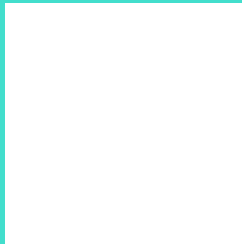
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42DECC Background



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



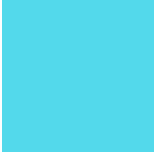
This preview shows how white text looks on a background with the Hex color 42DECC.

# 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**  
53D9EB

# Trichromacy



**Original Color**  
42DECC



**Protanomaly**  
9ACFC3



**Deuteranomaly**  
9FCCD0

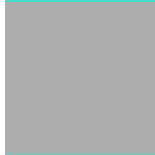


**Tritanomaly**  
4DDBE0

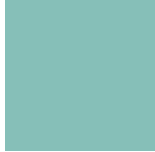
# Monochromacy



**Original Color**  
42DECC



**Achromatopsia**  
ADADAD



**Achromatomaly**  
86BFB8

# CSS Examples

## Text

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

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

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 #42DECC colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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