

# Converting Colors

Hex(42ABD1)

Have a look what the booklet for  
Hex(42ABD1) contains.

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# **Color**

**Hex(42ABD1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42ABD1
RGB	66, 171, 209
RGB Percent	26%, 67%, 82%
CMY	0.7412, 0.3294, 0.1804
CMYK	0.68, 0.18, 0.00, 0.18
HSL	196°, 61%, 54%
HSV	196°, 68%, 82%
XYZ	28.3183, 34.8875, 65.5630
YIQ	143.9370, -74.7780, -10.4420

# Conversions

## Conversions Part 2

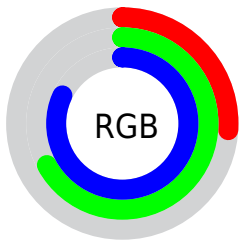
Format	Color
R <sub>YB</sub>	66, 127, 209
Decimal	4369361
CIE Lab	65.66, -18.04, -28.09
CIE LCh	66, 33.385, 237.295
Yxy	34.8875, 0.2199, 0.2709
Android (android.graphics.Color)	4282559441 (0xFF42ABD1)
YUV	143.9370, 32.0761, -68.3507
Hunter-Lab	59.0657, -17.7853, -24.4661

# Details

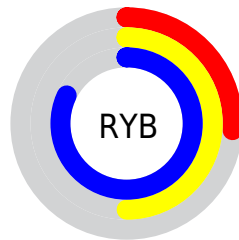
The Hex color **42ABD1** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **D16842**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **82E2FF**, and **00779A** is the 20% darker color. If you saturate the color by 10%, you get **2DA5D1**, and if you desaturate by 10%, it is **57B1D1**.

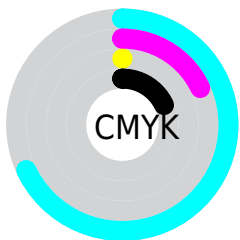
# Distribution



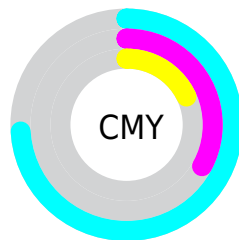
- Red (26%)
- Green (67%)
- Blue (82%)



- Red (26%)
- Yellow (50%)
- Blue (82%)



- Cyan (68%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (74%)
- Magenta (33%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42ABD1 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 42ABD1 by changing the saturation by 10% instead.



■ 42ABD1

■ 42ABD1

FFFFFF

■ 1490B5

■ 82E2FF

■ 00779A

■ A0FFFF

■ 005E80

■ BEFFFF

■ 004667

■ DCFFFF

■ 00304F

■ FAFFFF

■ 001C38

■ 000222

■ 000008

■ 000000

■ 42ABD1

■ 42ABD1

■ 2DA5D1

■ 57B1D1

■ 18A0D1

■ 6CB6D1

■ 039AD1

■ 81BCD1

■ 0099D1

■ 96C1D1

■ ABC7D1

■ BFCCD1

■ D4D2D1

■ E9D7D1

■ FEDDD1

# Harmonies

## Analogous

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



31AFBA



42ABD1



71A3DB

# Triad

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



42ABD1



D789A3



97A669

# Complementary

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



42ABD1



D16842

# 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.



B69D63



42ABD1



DA8A86

# Square

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



42ABD1



C38EC0



CE926E



74AC7E

# Rectangle

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



42ABD1



919CD8



CE926E



A2A366

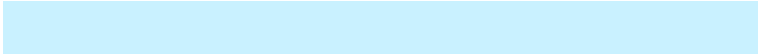


# Sweetspot

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



42ABD1



C9F1FF



42D166



607780



000000



808080



# Same Dimension

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



42ABD1



2EC7FF



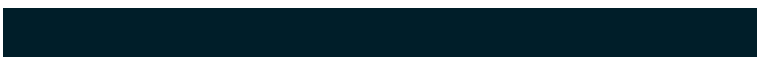
4266D1



5E6669



007CA8



001E29



# Inverse Universe

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



D142AB



FF2EC7



D1AD42



695E66



A8007C



29001E



# Previews

## White Background



This preview shows how the Hex color 42ABD1 looks on a white background.

## Color Contrast Check

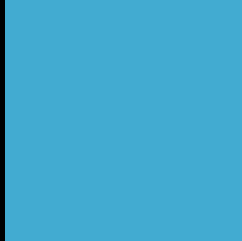
Large Text (above 18pt) WCAG AA × Fail

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 42ABD1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

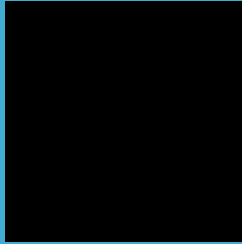
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42ABD1 Background



This preview shows how black text looks on a background with the Hex color 42ABD1.

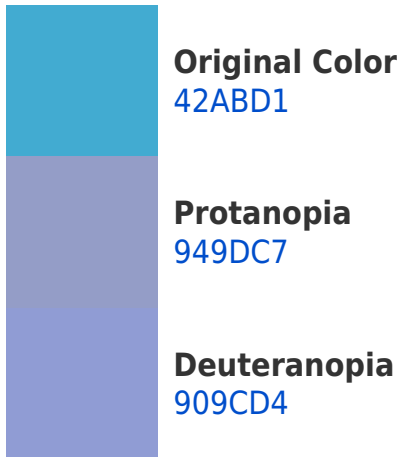


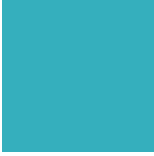
This preview shows how white text looks on a background with the Hex color 42ABD1.

# 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](#).

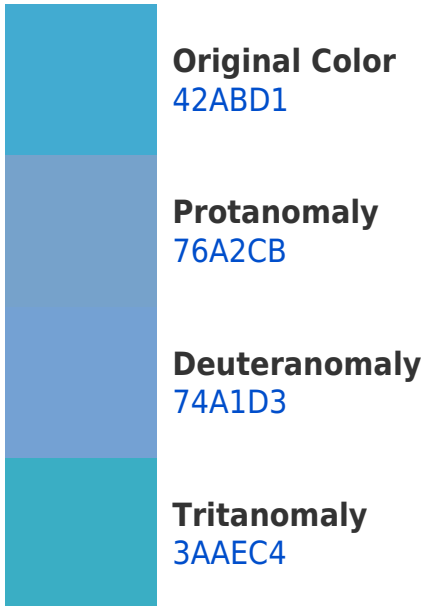
## Dichromacy



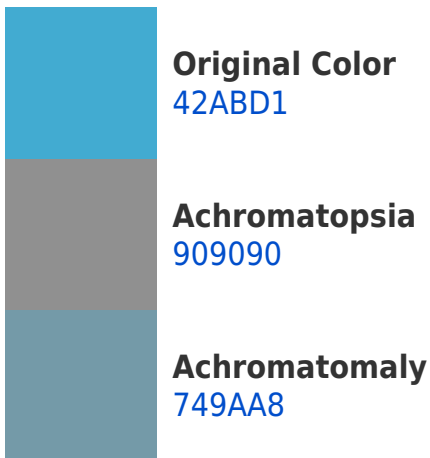


**Tritanopia**  
35AFBD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42ABD1 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 #42ABD1 looks like.

```
.text, #text, p{  
    color:#42ABD1  
}
```

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 #42ABD1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42ABD1
}
```

## Border

The CSS property to change the border of an element to Hex 42ABD1 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
#42ABD1 }
```

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

```
.border{ border-color:#42ABD1 }
```

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

Here you see how a box with a 4 pixel #42ABD1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42ABD1; -webkit-box-shadow:4px 4px  
4px 4px #42ABD1; box-shadow:4px 4px 4px  
4px #42ABD1 }
```

# Background

The CSS property to change the background color of an element to Hex 42ABD1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42ABD1 }
```

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

```
.background{ background-color:#42ABD1 }
```

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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