

# Converting Colors

Hex(42B9E2)

Have a look what the booklet for  
Hex(42B9E2) contains.

<b>Hex(42B9E2)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(42B9E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42B9E2
RGB	66, 185, 226
RGB Percent	26%, 73%, 89%
CMY	0.7412, 0.2745, 0.1137
CMYK	0.71, 0.18, 0.00, 0.11
HSL	195°, 73%, 57%
HSV	195°, 71%, 89%
XYZ	33.3232, 41.3472, 78.1760
YIQ	154.0930, -84.0850, -12.4770

# Conversions

## Conversions Part 2

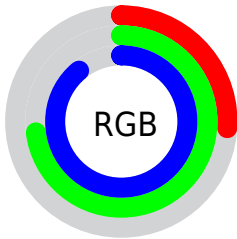
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	66, 134, 226
Decimal	4372962
CIE Lab	70.42, -19.93, -30.09
CIE LCh	70, 36.092, 236.485
Yxy	41.3472, 0.2180, 0.2705
Android (android.graphics.Color)	4282563042 (0xFF42B9E2)
YUV	154.0930, 35.4502, -77.2576
Hunter-Lab	64.3018, -20.0238, -27.0716

# Details

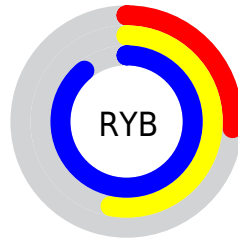
The Hex color **42B9E2** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **E26B42**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **85F1FF**, and **0084AB** is the 20% darker color. If you saturate the color by 10%, you get **2BB3E2**, and if you desaturate by 10%, it is **59BFE2**.

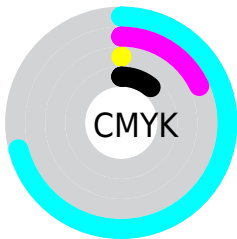
# Distribution



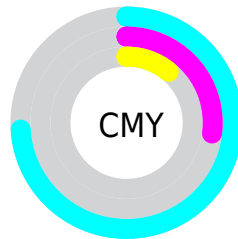
- Red (26%)
- Green (73%)
- Blue (89%)



- Red (26%)
- Yellow (53%)
- Blue (89%)



- Cyan (71%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (74%)
- Magenta (27%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42B9E2 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 42B9E2 by changing the saturation by 10% instead.



 42B9E2

 42B9E2

FFFFFF

 0A9EC6


 85F1FF

 0084AB

 A4FFFF

 006A90

 C2FFFF

 005276

 E1FFFF

 003B5D

 002545

 00072F

 00011A

 000000

■ 42B9E2

■ 42B9E2

■ 2BB3E2

■ 59BFE2

■ 15ADE2

■ 6FC5E2

■ 00A8E2

■ 86CAE2

■ 9CD0E2

■ B3D6E2

■ CADCE2

■ E0E2E2

■ F7E7E2

■ FFEDE2

# Harmonies

## Analogous

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



30BDC8



42B9E2



77B1ED

# Triad

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



42B9E2



E893B1



A4B370

# Complementary

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



42B9E2



E26B42

# 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.



C6A96A



42B9E2



EC9591

# Square

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



42B9E2



D29AD1



DF9E77



7EBA87

# Rectangle

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



42B9E2



9BA9EB



DF9E77



B0B06C

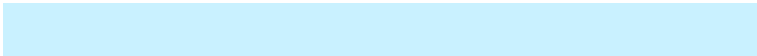


# Sweetspot

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



42B9E2



C9F1FF



42E26A



607780



000000



808080



# Same Dimension

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



42B9E2



26C7FF



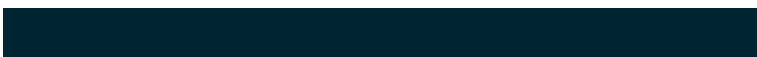
426AE2



656D70



0083B0



002430



# Inverse Universe

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



E242B9



FF26C7



E2BA42



70656D



B00083

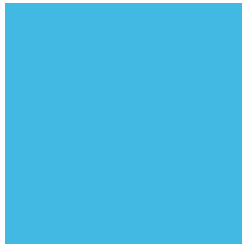


300024



# Previews

## White Background



This preview shows how the Hex color 42B9E2 looks on a white background.

## Color Contrast Check

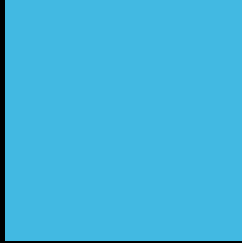
Large Text (above 18pt) WCAG AA × Fail

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 42B9E2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

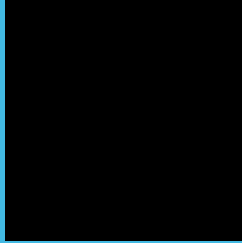
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42B9E2 Background



This preview shows how black text looks on a background with the Hex color 42B9E2.

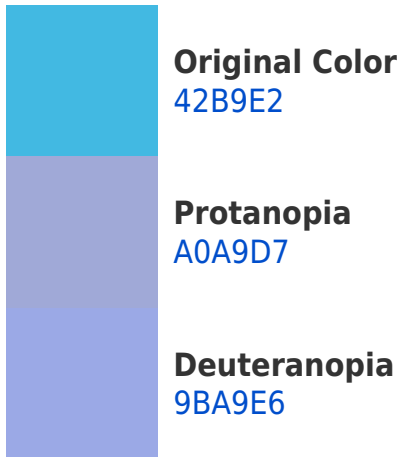


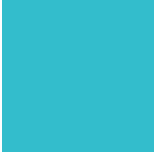
This preview shows how white text looks on a background with the Hex color 42B9E2.

# Color Blindness Simulation

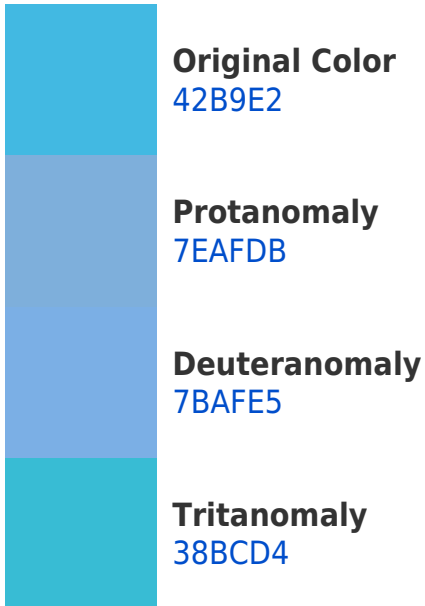
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

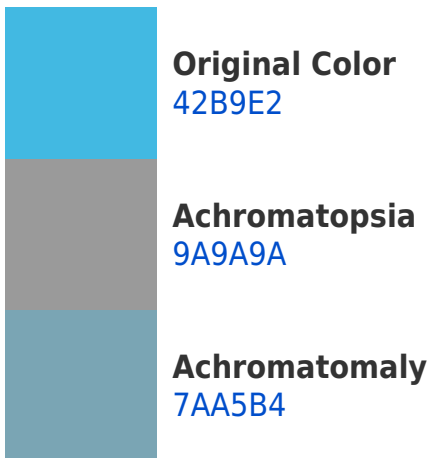




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42B9E2 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 #42B9E2 looks like.

```
.text, #text, p{  
    color:#42B9E2  
}
```

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 #42B9E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42B9E2
}
```

## Border

The CSS property to change the border of an element to Hex 42B9E2 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
#42B9E2 }
```

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

```
.border{ border-color:#42B9E2 }
```

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

Here you see how a box with a 4 pixel #42B9E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42B9E2; -webkit-box-shadow:4px 4px  
4px 4px #42B9E2; box-shadow:4px 4px 4px  
4px #42B9E2 }
```

# Background

The CSS property to change the background color of an element to Hex 42B9E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42B9E2 }
```

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

```
.background{ background-color:#42B9E2 }
```

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