

# Converting Colors

Hex(42BBBC)

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

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**Color**

**Hex(42BBBC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42BBBC
RGB	66, 187, 188
RGB Percent	26%, 73%, 74%
CMY	0.7412, 0.2667, 0.2627
CMYK	0.65, 0.01, 0.00, 0.26
HSL	180°, 48%, 50%
HSV	180°, 65%, 74%
XYZ	29.0942, 40.3297, 53.8279
YIQ	150.9350, -72.4370, -25.3410

# Conversions

## Conversions Part 2

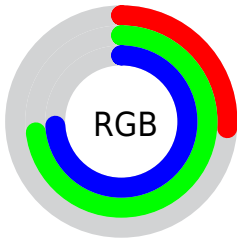
Format	Color
<a href="#">RYB</a>	<a href="#">66, 127, 188</a>
Decimal	<a href="#">4373436</a>
CIELab	<a href="#">69.70, -32.44, -10.38</a>
CIELCh	<a href="#">70, 34.061, 197.737</a>
Yxy	<a href="#">40.3297, 0.2361, 0.3272</a>
Android (android.graphics.Color)	<a href="#">4282563516</a> ( <a href="#">0xFF42BBBC</a> )
YUV	<a href="#">150.9350, 18.2730, -74.4880</a>
Hunter-Lab	<a href="#">63.5057, -29.3579, -5.8007</a>

# Details

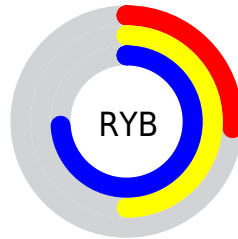
The Hex color **42BBBC** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **BC4342**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **81F4F4**, and **008587** is the 20% darker color. If you saturate the color by 10%, you get **2FBBBC**, and if you desaturate by 10%, it is **55BBBC**.

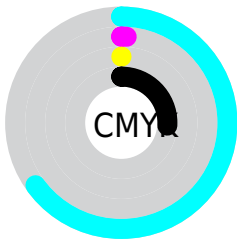
# Distribution



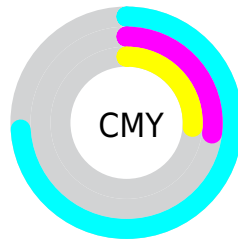
- Red (26%)
- Green (73%)
- Blue (74%)



- Red (26%)
- Yellow (50%)
- Blue (74%)



- Cyan (65%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (74%)
- Magenta (27%)
- Yellow (26%)

# Brightness & Saturation Gradients

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



 42BBBC

 42BBBC

FFFFFF

 16A0A1

 81F4F4

 008587

 9FFFFFFF

 006C6E

 BCFFFF

 005355

 DAFFFF

 003B3E

 F9FFFF

 002628

 000115

 000000

 42BBBC

 42BBBC

■ 2FBBBC

■ 55BBBC

■ 1CBBBC

■ 68BBBC

■ 0ABBBC

■ 7ABBBC

■ 00BABC

■ 8DBCBC

■ A0BCBC

■ B3BCBC

■ C6BCBC

■ D8BCBC

■ EBBCBC

# Harmonies

## Analogous

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



64BA9C



42BBBC



42B8D7

# Triad

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



42BBBC



C59CD4



CBA46E

# Complementary

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



42BBBC



BC4342

# 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.



E09A7E



42BBBC



DF94B8

# Square

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



42BBBC



9CA7E5



E89399



ADAE6F

# Rectangle

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



42BBBC



5BB4E3



E89399



D3A072

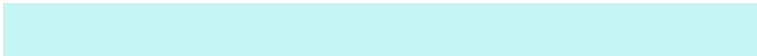


# Sweetspot

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



42BBBC



C6F4F5



42BC42



5E7A7A



FAFAFA



7A7A7A



# Same Dimension

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



42BBBC



36F3F5



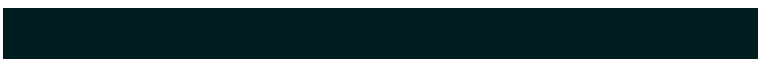
427FBC



555E5E



009D9E



001E1F



# Inverse Universe

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



BC42BB



F536F3



BC7F42



5E555E



9E009D

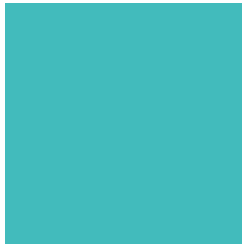


1F001E



# Previews

## White Background



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

## Color Contrast Check

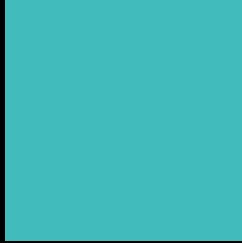
Large Text (above 18pt) WCAG AA × Fail

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 42BBBC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

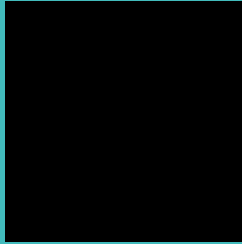
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42BBBC Background



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

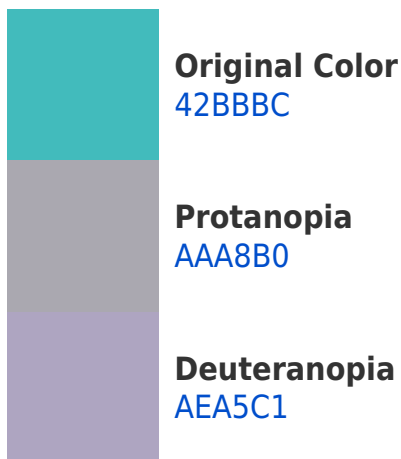


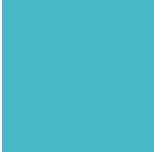
This preview shows how white text looks on a background with the Hex color 42BBBC.

# 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**  
48B9C8

# Trichromacy



**Original Color**  
42BBBC



**Protanomaly**  
84AFB4



**Deuteranomaly**  
87ADBF

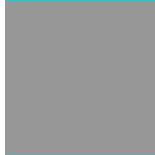


**Tritanomaly**  
46BAC4

# Monochromacy



**Original Color**  
42BBBC



**Achromatopsia**  
979797



**Achromatomaly**  
78A4A4

# CSS Examples

## Text

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

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

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 #42BBBC colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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