

# Converting Colors

Hex(42B698)

Have a look what the booklet for  
Hex(42B698) contains.

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**Color**

**Hex(42B698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42B698
RGB	66, 182, 152
RGB Percent	26%, 71%, 60%
CMY	0.7412, 0.2863, 0.4039
CMYK	0.64, 0.00, 0.16, 0.29
HSL	164°, 47%, 49%
HSV	164°, 64%, 71%
XYZ	24.6422, 36.8811, 35.5258
YIQ	143.8960, -59.5060, -33.9220

# Conversions

## Conversions Part 2

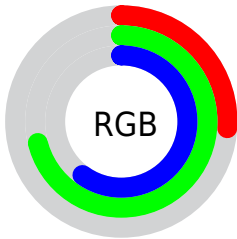
Format	Color
<a href="#">RYB</a>	66, 133, 182
Decimal	4372120
CIELab	67.19, -39.74, 5.74
CIElCh	67, 40.157, 171.781
Yxy	36.8811, 0.2539, 0.3800
Android (android.graphics.Color)	4282562200 (0xFF42B698)
YUV	143.8960, 3.9953, -68.3148
Hunter-Lab	60.7298, -33.8477, 7.8274

# Details

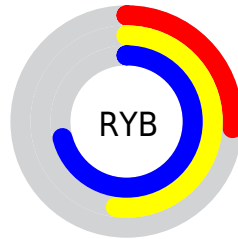
The Hex color **42B698** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B64260**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **7EEFCE**, and **008065** is the 20% darker color. If you saturate the color by 10%, you get **30B693**, and if you desaturate by 10%, it is **54B69D**.

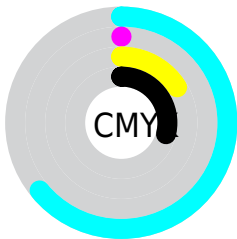
# Distribution



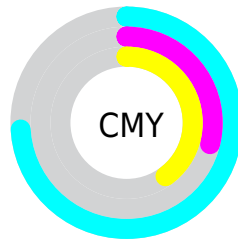
- Red (26%)
- Green (71%)
- Blue (60%)



- Red (26%)
- Yellow (52%)
- Blue (71%)



- Cyan (64%)
- Magenta (0%)
- Yellow (16%)
- Black (29%)



- Cyan (74%)
- Magenta (29%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42B698 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 42B698 by changing the saturation by 10% instead.



 42B698

 42B698

FFFFFF

 1C9B7E

 7EEFCE

 008065

 9BFFEA

 00674D

 B8FFFF

 004E36

 D6FFFF

 003621

 F4FFFF

 00210B

 000000

 42B698

 42B698

 30B693

 54B69D

■ 1EB68F

■ 66B6A1

■ 0BB68A

■ 79B6A6

■ 00B687

■ 8BB6AB

■ 9DB6B0

■ AFB6B4

■ C1B6B9

■ D4B6BE

■ E6B6C2

# Harmonies

## Analogous

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



76B275



42B698



00B6BD

# Triad

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



42B698



989EE7



DE916C

# Complementary

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



42B698



B64260

# 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.



E9888B



42B698



C791D1

# Square

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



42B698



58AAEB



E388AF



C39E5B

# Rectangle

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



42B698



00B4D3



E388AF



E38E75



# Sweetspot

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



42B698



C0EDE1



61B642



5C7871



F7F7F7



787878



# Same Dimension

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



42B698



39EDBF



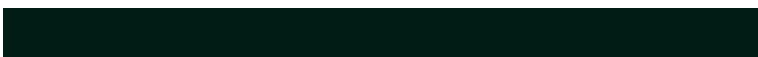
429BB6



535C59



009C73



001C15



# Inverse Universe

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



B64260



ED3968



B65D42



5C5355



9C0028

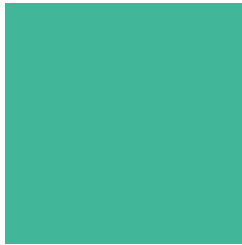


1C0007



# Previews

## White Background



This preview shows how the Hex color 42B698 looks on a white background.

## Color Contrast Check

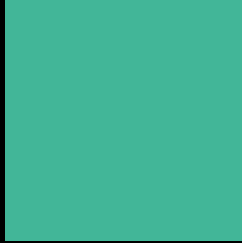
Large Text (above 18pt) WCAG AA × Fail

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 42B698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

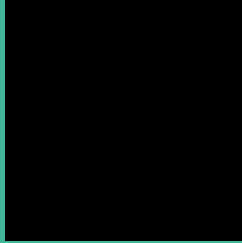
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42B698 Background



This preview shows how black text looks on a background with the Hex color 42B698.

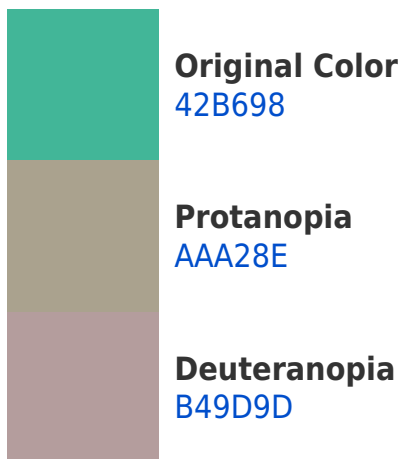


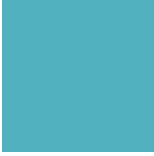
This preview shows how white text looks on a background with the Hex color 42B698.

# 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**  
52B1BF

# Trichromacy



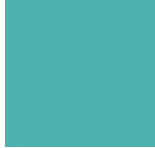
**Original Color**  
42B698



**Protanomaly**  
84A992



**Deuteranomaly**  
8BA69B



**Tritanomaly**  
4CB3B1

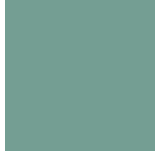
# Monochromacy



**Original Color**  
42B698



**Achromatopsia**  
909090



**Achromatomaly**  
749E93

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42B698 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 #42B698 looks like.

```
.text, #text, p{  
    color:#42B698  
}
```

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 #42B698 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42B698  
}
```

## Border

The CSS property to change the border of an element to Hex 42B698 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  
#42B698 }
```

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

```
.border{ border-color:#42B698 }
```

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

Here you see how a box with a 4 pixel #42B698 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42B698; -webkit-box-shadow:4px 4px  
4px 4px #42B698; box-shadow:4px 4px 4px  
4px #42B698 }
```

# Background

The CSS property to change the background color of an element to Hex 42B698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42B698 }
```

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

```
.background{ background-color:#42B698 }
```

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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