

# Converting Colors

Hex(45C193)

Have a look what the booklet for  
Hex(45C193) contains.

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**Color**

**Hex(45C193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45C193
RGB	69, 193, 147
RGB Percent	27%, 76%, 58%
CMY	0.7294, 0.2431, 0.4235
CMYK	0.64, 0.00, 0.24, 0.24
HSL	158°, 50%, 51%
HSV	158°, 64%, 76%
XYZ	26.7907, 41.5117, 34.2043
YIQ	150.6800, -59.1380, -40.5940

# Conversions

## Conversions Part 2

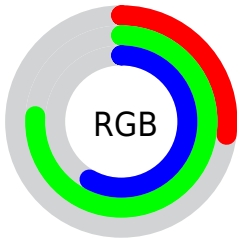
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 145, 193
Decimal	4571539
CIELab	70.53, -45.15, 13.24
CIELCh	71, 47.055, 163.661
Yxy	41.5117, 0.2614, 0.4050
Android (android.graphics.Color)	4282761619 (0xFF45C193)
YUV	150.6800, -1.8142, -71.6334
Hunter-Lab	64.4296, -38.5291, 13.6249

# Details

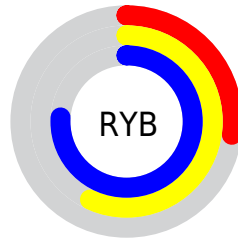
The Hex color **45C193** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **C14573**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **82FAC9**, and **008A60** is the 20% darker color. If you saturate the color by 10%, you get **32C18C**, and if you desaturate by 10%, it is **58C19A**.

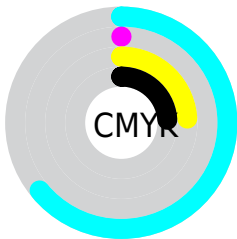
# Distribution



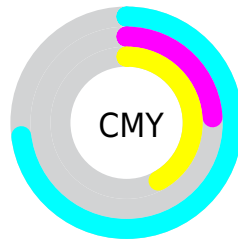
- Red (27%)
- Green (76%)
- Blue (58%)



- Red (27%)
- Yellow (57%)
- Blue (76%)



- Cyan (64%)
- Magenta (0%)
- Yellow (24%)
- Black (24%)



- Cyan (73%)
- Magenta (24%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45C193 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 45C193 by changing the saturation by 10% instead.



 45C193

 45C193

FFFFFF

 1FA579

 82FAC9

 008A60

 9FFFE5

 007048

 BCFFFF

 005732

 DAFFFF

 003E1C

 F8FFFF

 002904

 000400

 000000

 45C193

 45C193

■ 32C18C

■ 58C19A

■ 1EC185

■ 6CC1A1

■ 0BC17E

■ 7FC1A8

■ 00C179

■ 92C1B0

■ A5C1B7

■ B9C1BE

■ CCC1C5

■ DFC1CC

■ F3C1D3

# Harmonies

## Analogous

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



84BB6D



45C193



00C3BF

# Triad

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



45C193



8AAAFF



F59373

# Complementary

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



45C193



C14573

# 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.



FE8A9A



45C193



C99AEB

# Square

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



45C193



1BB8FE



F08CC6



DBA25A

# Rectangle

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



45C193



00C1DB



F08CC6



FB8F7F

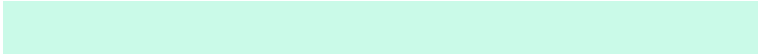


# Sweetspot

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



45C193



CAFAE8



75C145



607D72



FCFCFC



7D7D7D



# Same Dimension

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



45C193



39FAB3



45B3C1



57615D



00A165



002115



# Inverse Universe

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



C14573



FA3981



C15345



61575B



A1003C

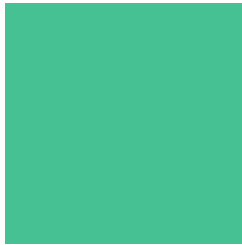


21000C



# Previews

## White Background



This preview shows how the Hex color 45C193 looks on a white background.

## Color Contrast Check

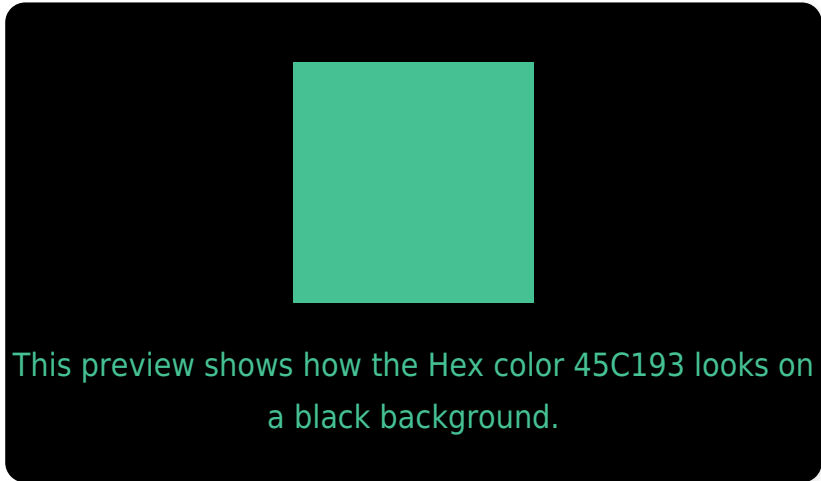
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

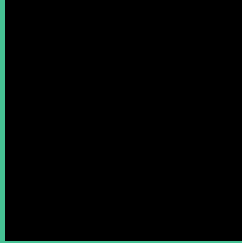
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45C193 Background



This preview shows how black text looks on a background with the Hex color 45C193.

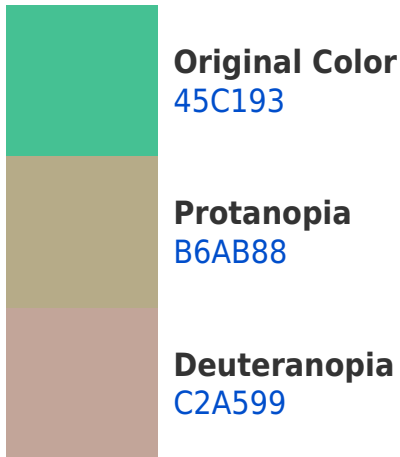


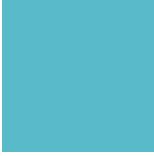
This preview shows how white text looks on a background with the Hex color 45C193.

# 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**  
59BAC9

# Trichromacy



**Original Color**  
45C193



**Protanomaly**  
8DB38C



**Deuteranomaly**  
95AF97



**Tritanomaly**  
52BDB5

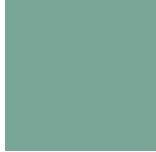
# Monochromacy



**Original Color**  
45C193



**Achromatopsia**  
979797



**Achromatomaly**  
79A696

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45C193 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 #45C193 looks like.

```
.text, #text, p{  
    color:#45C193  
}
```

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 #45C193 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45C193
}
```

## Border

The CSS property to change the border of an element to Hex 45C193 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
#45C193 }
```

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

```
.border{ border-color:#45C193 }
```

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

Here you see how a box with a 4 pixel #45C193 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45C193; -webkit-box-shadow:4px 4px  
4px 4px #45C193; box-shadow:4px 4px 4px  
4px #45C193 }
```

# Background

The CSS property to change the background color of an element to Hex 45C193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45C193 }
```

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

```
.background{ background-color:#45C193 }
```

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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