

# Converting Colors

Hex(48EA93)

Have a look what the booklet for  
Hex(48EA93) contains.

<b>Hex(48EA93)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(48EA93)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48EA93
RGB	72, 234, 147
RGB Percent	28%, 92%, 58%
CMY	0.7176, 0.0824, 0.4235
CMYK	0.69, 0.00, 0.37, 0.08
HSL	148°, 79%, 60%
HSV	148°, 69%, 92%
XYZ	37.3618, 62.3299, 37.6655
YIQ	175.6440, -68.6250, -61.4010

# Conversions

## Conversions Part 2

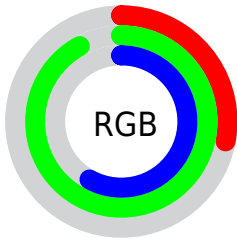
Format	Color
<a href="#">RYB</a>	<a href="#">72, 183, 234</a>
Decimal	<a href="#">4778643</a>
CIELab	<a href="#">83.09, -60.84, 30.45</a>
CIELCh	<a href="#">83, 68.030, 153.415</a>
Yxy	<a href="#">62.3299, 0.2720, 0.4538</a>
Android (android.graphics.Color)	<a href="#">4282968723 (0xFF48EA93)</a>
YUV	<a href="#">175.6440, -14.1215, -90.8958</a>
Hunter-Lab	<a href="#">78.9493, -53.6884, 26.9782</a>

# Details

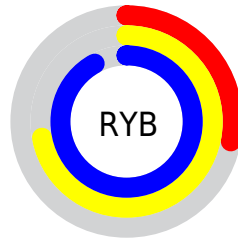
The Hex color **48EA93** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **EA489F**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **8BFFCA**, and **00B15F** is the 20% darker color. If you saturate the color by 10%, you get **31EA86**, and if you desaturate by 10%, it is **5FEAA0**.

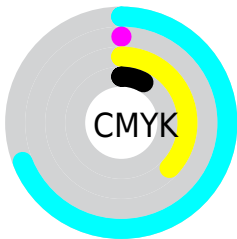
# Distribution



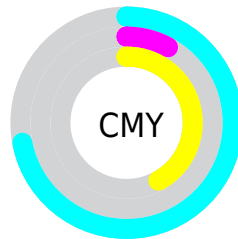
- Red (28%)
- Green (92%)
- Blue (58%)



- Red (28%)
- Yellow (72%)
- Blue (92%)



- Cyan (69%)
- Magenta (0%)
- Yellow (37%)
- Black (8%)



- Cyan (72%)
- Magenta (8%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48EA93 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 48EA93 by changing the saturation by 10% instead.



 48EA93

 48EA93


FFFFFF

 17CD79

 8BFFCA

 00B15F

 AAFFE6

 009547

 C8FFFF

 007A2F

 E7FFFF

 006018

 004700

 003000

 001300

 000000

 48EA93

 48EA93

 31EA86

 5FEAA0

 19EA7A

 77EAAC

 02EA6D

 8EEAB9

 00EA6C

 A6EAC5

 BDEAD2

 D4EADE

 ECEAEB

 FFEAF8

 FFEAFF

# Harmonies

## Analogous

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



A9E05E



48EA93



00EED5

# Triad

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



48EA93



56D4FF



FF9F8C

# Complementary

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



48EA93



EA489F

# 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.



FF95CA



48EA93



DCBBFF

# Square

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



48EA93



00E4FF



FFA2FF



FFB75B

# Rectangle

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



48EA93



00EEFF



FFA2FF



FF9AA0

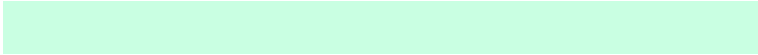


# Sweetspot

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



48EA93



C9FFE2



A1EA48



60806E



000000



808080



# Same Dimension

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



48EA93



2BFF8D



48EAE2



6A756F



00B554



003619



# Inverse Universe

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



EA489F



FF2B9D



EA4850



756A70



B50061

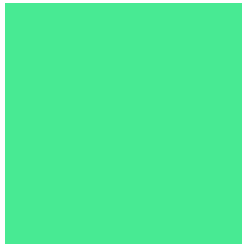


36001D



# Previews

## White Background



This preview shows how the Hex color 48EA93 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 48EA93 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

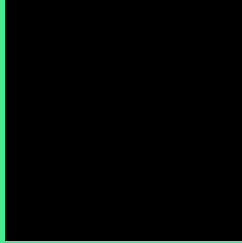
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 48EA93 Background



This preview shows how black text looks on a background with the Hex color 48EA93.

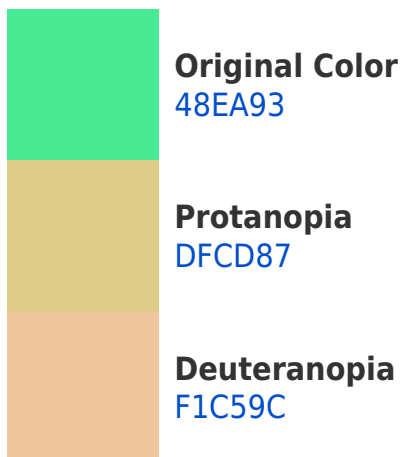


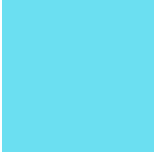
This preview shows how white text looks on a background with the Hex color 48EA93.

# 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**  
6BDFF1

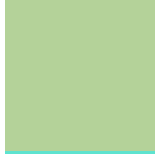
# Trichromacy



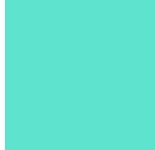
**Original Color**  
48EA93



**Protanomaly**  
A8D88B



**Deuteranomaly**  
B4D299

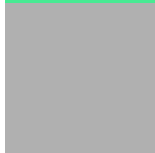


**Tritanomaly**  
5EE3CF

# Monochromacy



**Original Color**  
48EA93



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
8AC5A5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48EA93 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 #48EA93 looks like.

```
.text, #text, p{  
    color:#48EA93  
}
```

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 #48EA93 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48EA93  
}
```

## Border

The CSS property to change the border of an element to Hex 48EA93 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  
#48EA93 }
```

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

```
.border{ border-color:#48EA93 }
```

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

Here you see how a box with a 4 pixel #48EA93 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48EA93; -webkit-box-shadow:4px 4px  
4px 4px #48EA93; box-shadow:4px 4px 4px  
4px #48EA93 }
```

# Background

The CSS property to change the background color of an element to Hex 48EA93 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48EA93 }
```

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

```
.background{ background-color:#48EA93 }
```

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