

# Converting Colors

Hex(24A78C)

Have a look what the booklet for  
Hex(24A78C) contains.

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**Color**

**Hex(24A78C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24A78C
RGB	36, 167, 140
RGB Percent	14%, 65%, 55%
CMY	0.8588, 0.3451, 0.4510
CMYK	0.78, 0.00, 0.16, 0.35
HSL	168°, 65%, 40%
HSV	168°, 78%, 65%
XYZ	19.2799, 29.9060, 29.5672
YIQ	124.7530, -69.4090, -36.1690

# Conversions

## Conversions Part 2

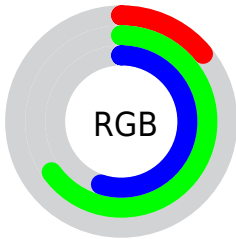
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 109, 167
Decimal	2402188
CIELab	61.57, -40.58, 4.23
CIELCh	62, 40.804, 174.045
Yxy	29.9060, 0.2448, 0.3797
Android (android.graphics.Color)	4280592268 (0xFF24A78C)
YUV	124.7530, 7.5168, -77.8364
Hunter-Lab	54.6863, -32.7702, 6.2242

# Details

The Hex color **24A78C** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A7243F**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **68DFC1**, and **00725A** is the 20% darker color. If you saturate the color by 10%, you get **13A789**, and if you desaturate by 10%, it is **35A78F**.

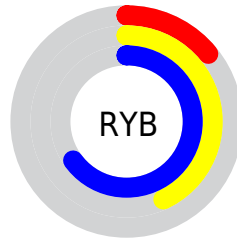
# Distribution



Red (14%)

Green (65%)

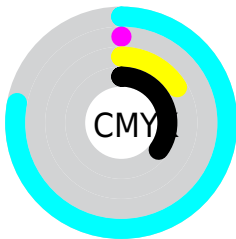
Blue (55%)



Red (14%)

Yellow (43%)

Blue (65%)

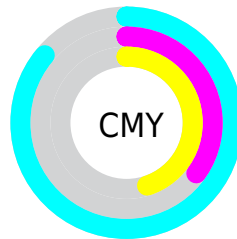


Cyan (78%)

Magenta (0%)

Yellow (16%)

Black (35%)



Cyan (86%)

Magenta (35%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24A78C 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 24A78C by changing the saturation by 10% instead.



 24A78C

 24A78C

FFFFFF

 008C73

 68DFC1

 00725A

 85FCDD

 005943

 A3FFFA

 00402D

 C0FFFF

 002A18

 DEFFF

 000B00

 FCFFF

 000000

 24A78C

 24A78C

 13A789

 35A78F

■ 03A785

■ 45A793

■ 00A785

■ 56A796

■ 67A79A

■ 77A79D

■ 88A7A1

■ 99A7A4

■ AAA7A8

■ BAA7AB

# Harmonies

## Analogous

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



63A369



24A78C



00A7B1

# Triad

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



24A78C



8D8ED7



CC835B

# Complementary

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



24A78C



A7243F

# 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.



D97979



24A78C



BB81C0

# Square

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



24A78C



499BDC



D4789D



B1904C

# Rectangle

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



24A78C



00A5C6



D4789D



D27F64



# Sweetspot

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



24A78C



A5D9CE



40A724



4E6E67



EDEDED



6E6E6E



# Same Dimension

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



24A78C



0DD9AF



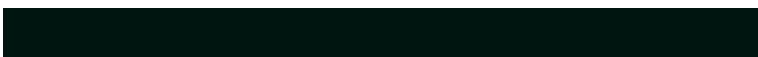
2482A7



4C5452



009475



001410



# Inverse Universe

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



A7243F



D90D37



A74924



544C4D



94001E

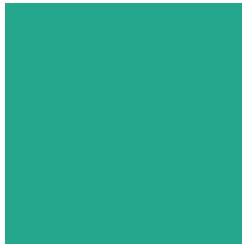


140004



# Previews

## White Background



This preview shows how the Hex color 24A78C looks on a white background.

## Color Contrast Check

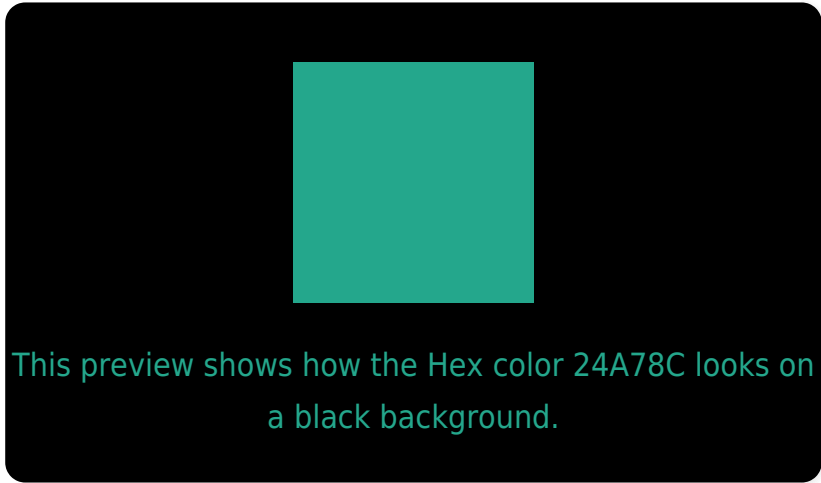
Large Text (above 18pt) WCAG AA ✓ Pass

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

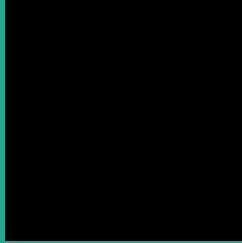
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 24A78C Background



This preview shows how black text looks on a background with the Hex color 24A78C.

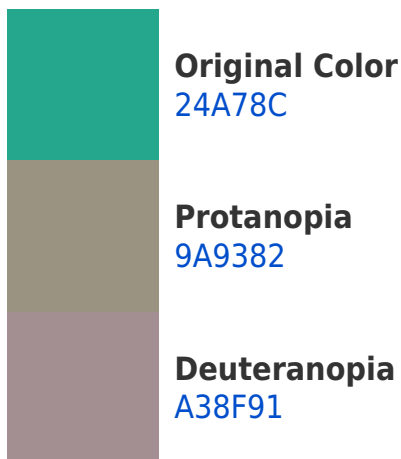


This preview shows how white text looks on a background with the Hex color 24A78C.

# 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](#).

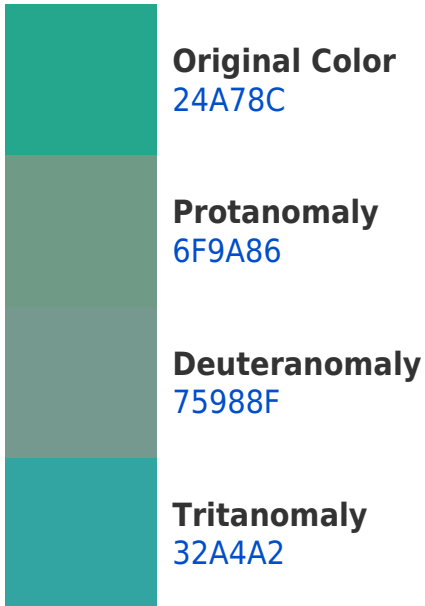
## Dichromacy





**Tritanopia**  
3AA2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24A78C 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 #24A78C looks like.

```
.text, #text, p{  
    color:#24A78C  
}
```

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 #24A78C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24A78C
}
```

## Border

The CSS property to change the border of an element to Hex 24A78C 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".

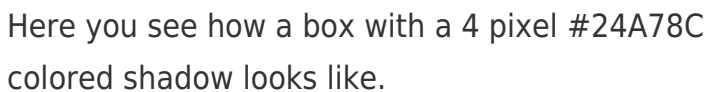
```
.border, #border, table{ border:4px solid
#24A78C }
```

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

```
.border{ border-color:#24A78C }
```

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

Here you see how a box with a 4 pixel #24A78C colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24A78C; -webkit-box-shadow:4px 4px  
4px 4px #24A78C; box-shadow:4px 4px 4px  
4px #24A78C }
```

# Background

The CSS property to change the background color of an element to Hex 24A78C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24A78C }
```

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

```
.background{ background-color:#24A78C }
```

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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