

# Converting Colors

Hex(24B774)

Have a look what the booklet for  
Hex(24B774) contains.

<b>Hex(24B774)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(24B774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24B774
RGB	36, 183, 116
RGB Percent	14%, 72%, 45%
CMY	0.8588, 0.2824, 0.5451
CMYK	0.80, 0.00, 0.37, 0.28
HSL	153°, 67%, 43%
HSV	153°, 80%, 72%
XYZ	20.8134, 35.5030, 22.2788
YIQ	131.4090, -66.1050, -52.0010

# Conversions

## Conversions Part 2

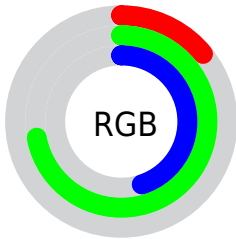
Format	Color
<a href="#">RYB</a>	<a href="#">36, 131, 183</a>
Decimal	<a href="#">2406260</a>
CIELab	<a href="#">66.14, -52.67, 23.77</a>
CIElCh	<a href="#">66, 57.785, 155.715</a>
Yxy	<a href="#">35.5030, 0.2648, 0.4517</a>
Android (android.graphics.Color)	<a href="#">4280596340 (0xFF24B774)</a>
YUV	<a href="#">131.4090, -7.5966, -83.6737</a>
Hunter-Lab	<a href="#">59.5844, -41.9208, 19.5404</a>

# Details

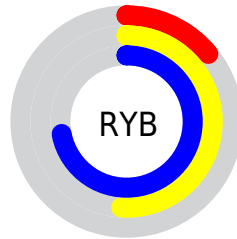
The Hex color **24B774** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B72467**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **6AF0A8**, and **008143** is the 20% darker color. If you saturate the color by 10%, you get **12B76C**, and if you desaturate by 10%, it is **36B77C**.

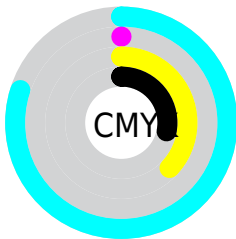
# Distribution



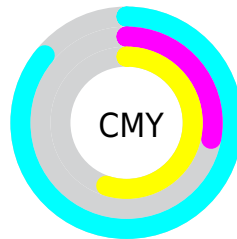
- Red (14%)
- Green (72%)
- Blue (45%)



- Red (14%)
- Yellow (51%)
- Blue (72%)



- Cyan (80%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)



- Cyan (86%)
- Magenta (28%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24B774 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 24B774 by changing the saturation by 10% instead.



 24B774

 24B774

FFFFFF

 009B5B

 6AF0A8

 008143

 89FFC4

 00672C

 A6FFE0

 004D16

 C4FFFD

 003500

 E2FFFF

 001E00

 000000

 24B774

 24B774

 12B76C

 36B77C

00B764

49B785

5BB78D

6DB795

80B79E

92B7A6

A4B7AE

B6B7B7

C9B7BF

# Harmonies

## Analogous

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



7DAF47



24B774



00BAA9

# Triad

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



24B774



49A3FF



FA7B67

# Complementary

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



24B774



B72467

# 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.



FF7199



24B774



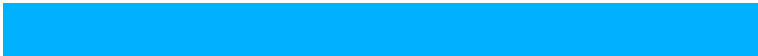
B08FF5

# Square

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



24B774



00B1FF



E87ACC



DF8F40

# Rectangle

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



24B774



00BACC



E87ACC



FF7677



# Sweetspot

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



24B774



B4EDD3



69B724



557868



F7F7F7



787878



# Same Dimension

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



24B774



09ED85



24B2B7



535C58



009C55



001C0F



# Inverse Universe

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



B72467



ED0971



B72924



5C5357



9C0047

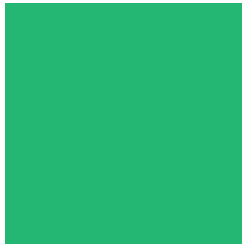


1C000D



# Previews

## White Background



This preview shows how the Hex color 24B774 looks on a white background.

## Color Contrast Check

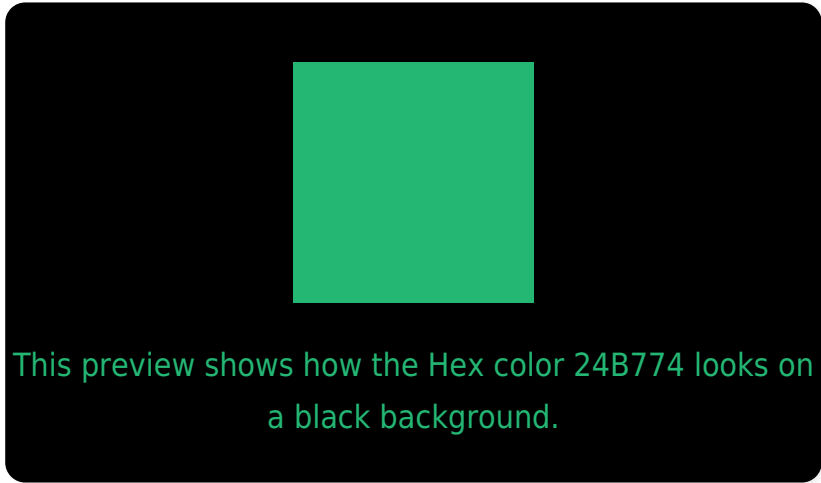
Large Text (above 18pt) WCAG AA × Fail

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

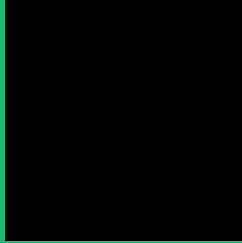
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 24B774 Background



This preview shows how black text looks on a background with the Hex color 24B774.

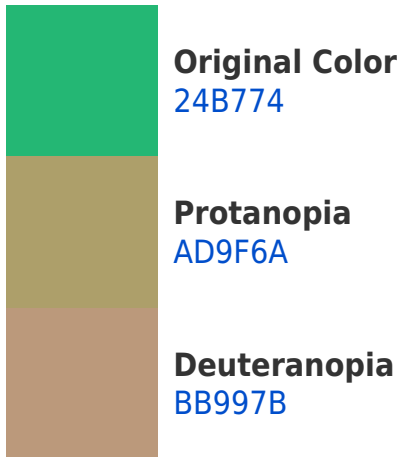


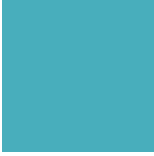
This preview shows how white text looks on a background with the Hex color 24B774.

# 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**  
48AEBC

# Trichromacy



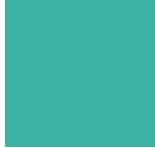
**Original Color**  
24B774



**Protanomaly**  
7BA86E



**Deuteranomaly**  
84A478



**Tritanomaly**  
3BB1A2

# Monochromacy



**Original Color**  
24B774



**Achromatopsia**  
838383



**Achromatomaly**  
60967E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24B774 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 #24B774 looks like.

```
.text, #text, p{  
    color:#24B774  
}
```

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 #24B774 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24B774
}
```

## Border

The CSS property to change the border of an element to Hex 24B774 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
#24B774 }
```

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

```
.border{ border-color:#24B774 }
```

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

Here you see how a box with a 4 pixel #24B774 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24B774; -webkit-box-shadow:4px 4px  
4px 4px #24B774; box-shadow:4px 4px 4px  
4px #24B774 }
```

# Background

The CSS property to change the background color of an element to Hex 24B774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24B774 }
```

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

```
.background{ background-color:#24B774 }
```

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