

# Converting Colors

Hex(40E2AE)

Have a look what the booklet for  
Hex(40E2AE) contains.

<b>Hex(40E2AE)</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(40E2AE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40E2AE
RGB	64, 226, 174
RGB Percent	25%, 89%, 68%
CMY	0.7490, 0.1137, 0.3176
CMYK	0.72, 0.00, 0.23, 0.11
HSL	161°, 74%, 57%
HSV	161°, 72%, 89%
XYZ	36.9507, 58.5387, 49.3960
YIQ	171.6340, -79.8600, -50.5160

# Conversions

## Conversions Part 2

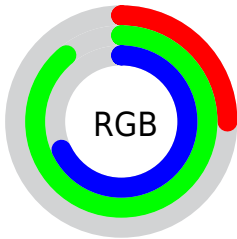
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 160, 226
Decimal	4252334
CIELab	81.04, -53.34, 13.63
CIElCh	81, 55.058, 165.668
Yxy	58.5387, 0.2550, 0.4040
Android (android.graphics.Color)	4282442414 (0xFF40E2AE)
YUV	171.6340, 1.1664, -94.3950
Hunter-Lab	76.5106, -47.6872, 15.2792




# Details

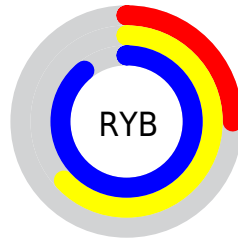
The Hex color **40E2AE** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **E24074**, and the grayscale version is **ACACAC**.




A 20% lighter version of the original color is **84FFE6**, and **00AA7A** is the 20% darker color. If you saturate the color by 10%, you get **29E2A7**, and if you desaturate by 10%, it is **57E2B5**.

# Distribution







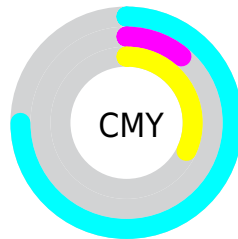
-  Red (25%)
-  Green (89%)
-  Blue (68%)






-  Red (25%)
-  Yellow (63%)
-  Blue (89%)



-  Cyan (72%)
-  Magenta (0%)
-  Yellow (23%)
-  Black (11%)



-  Cyan (75%)
-  Magenta (11%)
-  Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40E2AE 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 40E2AE by changing the saturation by 10% instead.



 40E2AE

 40E2AE

FFFFFF

 00C593

 84FFE6

 00AA7A

 A3FFFF

 008E61

 C2FFFF

 007449

 E1FFFF

 005A32

 00411D

 002B05

 000700

 000000

 40E2AE

 40E2AE

 29E2A7

 57E2B5

 13E29F

 6DE2BD

 00E299

 84E2C4

 9AE2CB

 B1E2D2

 C8E2DA

 DEE2E1

 F5E2E8

 FFE2EF

# Harmonies

## Analogous

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



94DB7F



40E2AE



00E4E3

# Triad

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



40E2AE



A5C5FF



FFAB82

# Complementary

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



40E2AE



E24074

# 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.



FF9FB0



40E2AE



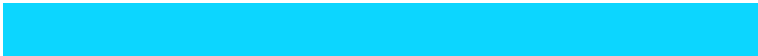
F0B1FF

# Square

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



40E2AE



0CD6FF



FFA1E4



FDBE64

# Rectangle

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



40E2AE



00E2FF



FFA1E4



FFA690

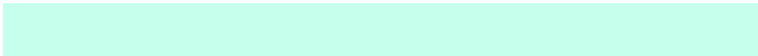


# Sweetspot

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



40E2AE



C7FFED



76E240



5E8075



000000



808080



# Same Dimension

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



40E2AE



24FFB9



40C7E2



65706D



00B077



003021



# Inverse Universe

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



E24074



FF246A



E25B40



706569



B00038

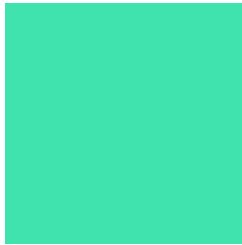


300010



# Previews

## White Background



This preview shows how the Hex color 40E2AE looks on a white background.

## Color Contrast Check

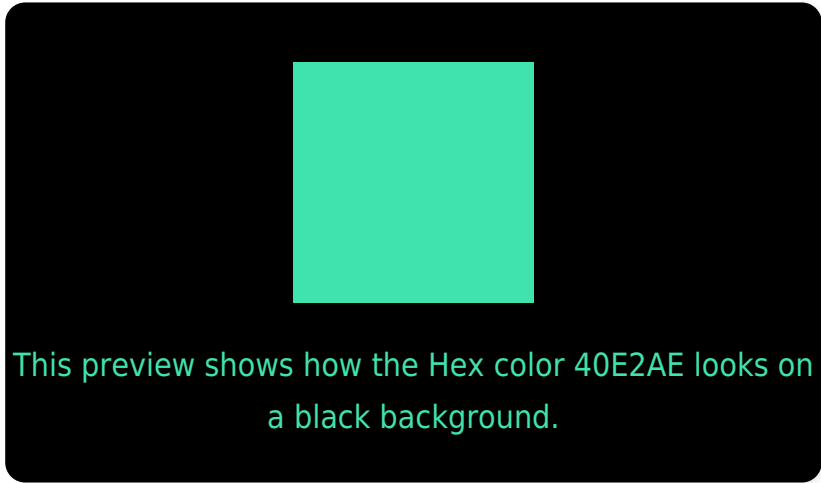
Large Text (above 18pt) WCAG AA × Fail

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

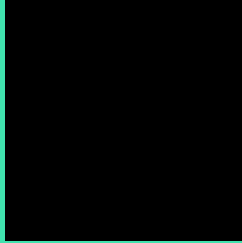
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 40E2AE Background



This preview shows how black text looks on a background with the Hex color 40E2AE.

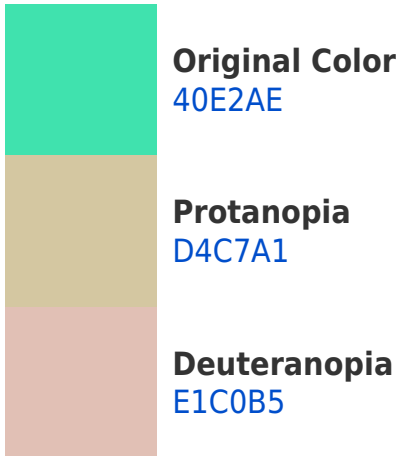


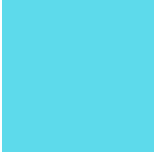
This preview shows how white text looks on a background with the Hex color 40E2AE.

# 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

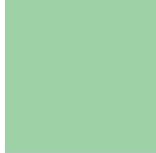




# Trichromacy



**Original Color**  
40E2AE



**Protanomaly**  
9ED1A6

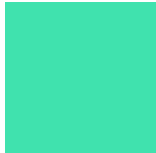


**Deuteranomaly**  
A6CCB2



**Tritanomaly**  
52DDD5

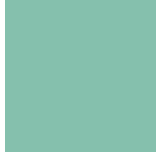
# Monochromacy



**Original Color**  
40E2AE



**Achromatopsia**  
ACACAC



**Achromatomaly**  
85C0AD

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40E2AE 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 #40E2AE looks like.

```
.text, #text, p{  
    color:#40E2AE  
}
```

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 #40E2AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40E2AE  
}
```

## Border

The CSS property to change the border of an element to Hex 40E2AE 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  
#40E2AE }
```

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

```
.border{ border-color:#40E2AE }
```

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

Here you see how a box with a 4 pixel #40E2AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40E2AE; -webkit-box-shadow:4px 4px  
4px 4px #40E2AE; box-shadow:4px 4px 4px  
4px #40E2AE }
```

# Background

The CSS property to change the background color of an element to Hex 40E2AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40E2AE }
```

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

```
.background{ background-color:#40E2AE }
```

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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