

# Converting Colors

Hex(40E7E7)

Have a look what the booklet for  
Hex(40E7E7) contains.

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# **Color**

**Hex(40E7E7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40E7E7
RGB	64, 231, 231
RGB Percent	25%, 91%, 91%
CMY	0.7490, 0.0941, 0.0941
CMYK	0.72, 0.00, 0.00, 0.09
HSL	180°, 78%, 58%
HSV	180°, 72%, 91%
XYZ	45.1141, 64.0113, 85.5790
YIQ	181.0670, -99.5320, -35.4040

# Conversions

## Conversions Part 2

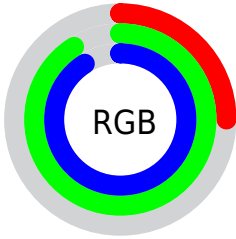
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 148, 231
Decimal	4253671
CIELab	83.97, -40.89, -12.21
CIELCh	84, 42.669, 196.624
Yxy	64.0113, 0.2317, 0.3288
Android (android.graphics.Color)	4282443751 (0xFF40E7E7)
YUV	181.0670, 24.6170, -102.6678
Hunter-Lab	80.0071, -39.3605, -7.4141

# Details

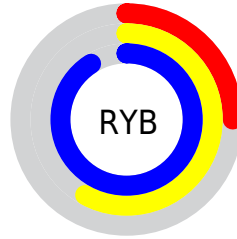
The Hex color **40E7E7** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **E74040**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **88FFFF**, and **00AFB0** is the 20% darker color. If you saturate the color by 10%, you get **29E7E7**, and if you desaturate by 10%, it is **57E7E7**.

# Distribution



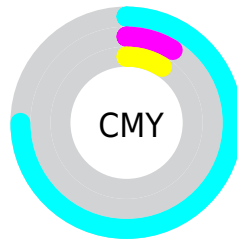
- Red (25%)
- Green (91%)
- Blue (91%)



- Red (25%)
- Yellow (58%)
- Blue (91%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (75%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients


These gradients show how the Hex color 40E7E7 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 40E7E7 by changing the saturation by 10% instead.



 40E7E7

FFFFFF

 88FFFF

 A8FFFF


 C8FFFF

 E7FFFF

 40E7E7

 00CBCB

 00AFB0

 009495

 00797B

 006062

 00474B

 003034

 00171F

 000004

 40E7E7

 40E7E7

 29E7E7

 57E7E7

 12E7E7

 6EE7E7

 00E7E7

 85E7E7

 9CE7E7

 B3E7E7

 CBE7E7

 E2E7E7

 F9E7E7

 FFE7E7

# Harmonies

## Analogous

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



76E6BD



40E7E7



39E3FF

# Triad

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



40E7E7



F2BFFF



FCC983

# Complementary

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



40E7E7



E74040

# 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.



FFBB99



40E7E7



FFB4E5

# Square

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



40E7E7



BCCEFF



FFB3BC



D6D683

# Rectangle

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



40E7E7



62DEFF



FFB3BC



FFC488



# Sweetspot

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



40E7E7



C7FFFF



40E740



5E8080



000000



808080



# Same Dimension

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



40E7E7



21FFFF



4093E7



677373



00B3B3



003333



# Inverse Universe

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



E740E7



FF21FF



E79340



736773



B300B3

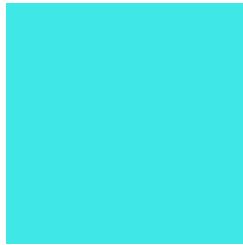


330033



# Previews

## White Background



This preview shows how the Hex color 40E7E7 looks on a white background.

## Color Contrast Check

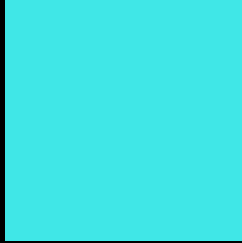
Large Text (above 18pt) WCAG AA × Fail

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 40E7E7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

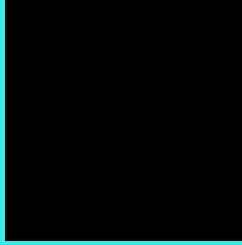
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 40E7E7 Background



This preview shows how black text looks on a background with the Hex color 40E7E7.

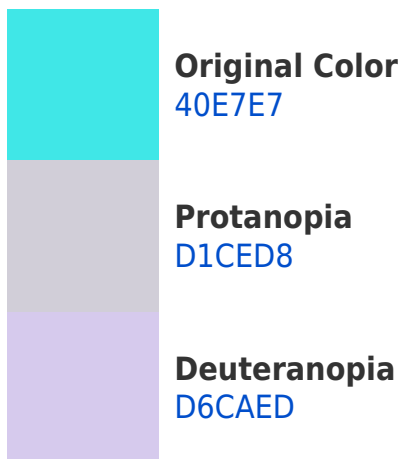


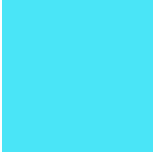
This preview shows how white text looks on a background with the Hex color 40E7E7.

# 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**  
4AE5F7

# Trichromacy



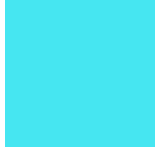
**Original Color**  
40E7E7



**Protanomaly**  
9CD7DD



**Deuteranomaly**  
9FD5EB

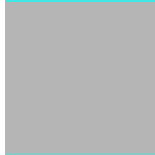


**Tritanomaly**  
46E6F1

# Monochromacy



**Original Color**  
40E7E7



**Achromatopsia**  
B5B5B5



**Achromatomaly**  
8AC7C7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40E7E7 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 #40E7E7 looks like.

```
.text, #text, p{  
    color:#40E7E7  
}
```

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 #40E7E7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40E7E7
}
```

## Border

The CSS property to change the border of an element to Hex 40E7E7 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
#40E7E7 }
```

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

```
.border{ border-color:#40E7E7 }
```

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

Here you see how a box with a 4 pixel #40E7E7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40E7E7; -webkit-box-shadow:4px 4px  
4px 4px #40E7E7; box-shadow:4px 4px 4px  
4px #40E7E7 }
```

# Background

The CSS property to change the background color of an element to Hex 40E7E7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40E7E7 }
```

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

```
.background{ background-color:#40E7E7 }
```

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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