

# Converting Colors

Hex(7AE2E2)

Have a look what the booklet for  
Hex(7AE2E2) contains.

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# **Color**

**Hex(7AE2E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AE2E2
RGB	122, 226, 226
RGB Percent	48%, 89%, 89%
CMY	0.5216, 0.1137, 0.1137
CMYK	0.46, 0.00, 0.00, 0.11
HSL	180°, 64%, 68%
HSV	180°, 46%, 89%
XYZ	48.9499, 64.0213, 81.7289
YIQ	194.9040, -61.9840, -22.0480

# Conversions

## Conversions Part 2

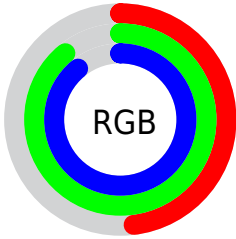
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 174, 226
Decimal	8053474
CIE <sub>Lab</sub>	83.98, -30.15, -9.39
CIE <sub>LCh</sub>	84, 31.581, 197.293
Yxy	64.0213, 0.2514, 0.3288
Android (android.graphics.Color)	4286243554 (0xFF7AE2E2)
YUV	194.9040, 15.3303, -63.9368
Hunter-Lab	80.0133, -30.8220, -4.5520

# Details

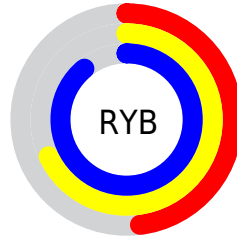
The Hex color **7AE2E2** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **E27A7A**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **B4FFFF**, and **3DAAAB** is the 20% darker color. If you saturate the color by 10%, you get **63E2E2**, and if you desaturate by 10%, it is **91E2E2**.

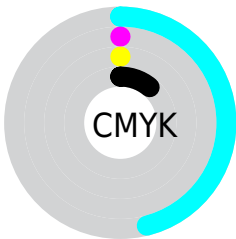
# Distribution



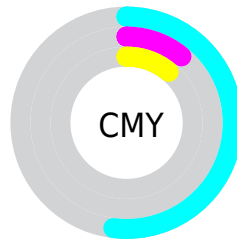
- Red (48%)
- Green (89%)
- Blue (89%)



- Red (48%)
- Yellow (68%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7AE2E2 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 7AE2E2 by changing the saturation by 10% instead.



 7AE2E2

 7AE2E2

FFFFFF

 5CC6C6

 B4FFFF

 3DAAAB

 D2FFFF

 139090

 F0FFFF

 007677

 005C5E

 004446

 002D30


 00171B

 000000

 7AE2E2

 7AE2E2

 63E2E2

 91E2E2

 4DE2E2

 A7E2E2

 36E2E2

 BEE2E2

 20E2E2

 D4E2E2

 09E2E2

 EBE2E2

 00E2E2

 FFE2E2

# Harmonies

## Analogous

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



92E1C3



7AE2E2



7CDFFC

# Triad

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



7AE2E2



EBC4FA



F3CB98

# Complementary

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



7AE2E2



E27A7A

# 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.



FFC2A7



7AE2E2



FFBDDF

# Square

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



7AE2E2



C5CEFF



FFBCC1



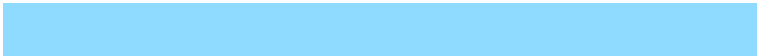
D5D598

# Rectangle

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



7AE2E2



8EDBFF



FFBCC1



FBC89B



# Sweetspot

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



7AE2E2



DBFFFF



7AE27A



6A8080



000000



808080



# Same Dimension

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



7AE2E2



73FFFF



7AAEE2



657070



00B0B0



003030



# Inverse Universe

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



E27AE2



FF73FF



E2AE7A



706570



B000B0

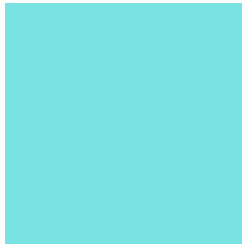


300030



# Previews

## White Background



This preview shows how the Hex color 7AE2E2 looks on a white background.

## Color Contrast Check

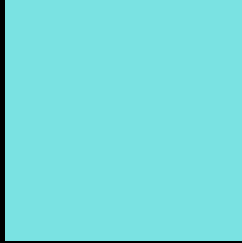
Large Text (above 18pt) WCAG AA × Fail

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 7AE2E2 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 7AE2E2 Background



This preview shows how black text looks on a background with the Hex color 7AE2E2.

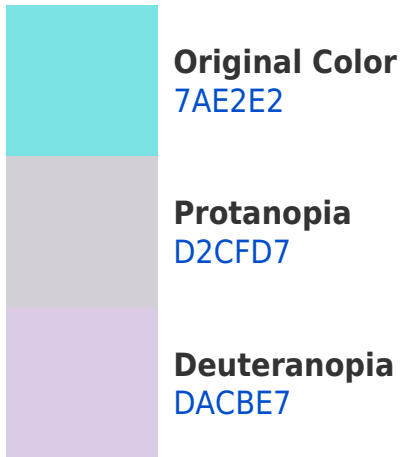


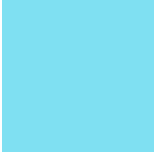
This preview shows how white text looks on a background with the Hex color 7AE2E2.

# 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



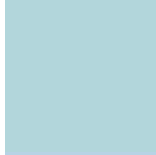


**Tritanopia**  
7FE0F2

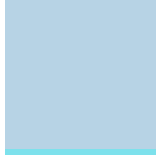
# Trichromacy



**Original Color**  
7AE2E2



**Protanomaly**  
B2D6DB



**Deuteranomaly**  
B7D3E5

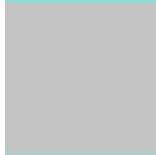


**Tritanomaly**  
7DE1EC

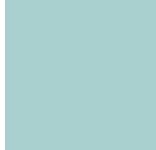
# Monochromacy



**Original Color**  
7AE2E2



**Achromatopsia**  
C3C3C3



**Achromatomaly**  
A8CECE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7AE2E2 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 #7AE2E2 looks like.

```
.text, #text, p{  
    color:#7AE2E2  
}
```

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 #7AE2E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7AE2E2
}
```

## Border

The CSS property to change the border of an element to Hex 7AE2E2 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
#7AE2E2 }
```

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

```
.border{ border-color:#7AE2E2 }
```

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

Here you see how a box with a 4 pixel #7AE2E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7AE2E2; -webkit-box-shadow:4px 4px  
4px 4px #7AE2E2; box-shadow:4px 4px 4px  
4px #7AE2E2 }
```

# Background

The CSS property to change the background color of an element to Hex 7AE2E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7AE2E2 }
```

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

```
.background{ background-color:#7AE2E2 }
```

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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