

# Converting Colors

Hex(7DC7E3)

Have a look what the booklet for  
Hex(7DC7E3) contains.

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# **Color**

**Hex(7DC7E3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DC7E3
RGB	125, 199, 227
RGB Percent	49%, 78%, 89%
CMY	0.5098, 0.2196, 0.1098
CMYK	0.45, 0.12, 0.00, 0.11
HSL	196°, 65%, 69%
HSV	196°, 45%, 89%
XYZ	42.7460, 50.7529, 80.2164
YIQ	180.0660, -53.0920, -6.9800

# Conversions

## Conversions Part 2

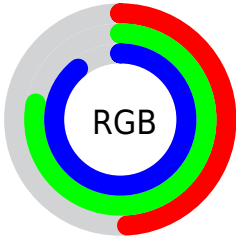
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 168, 227
Decimal	8243171
CIELab	76.53, -15.75, -21.10
CIELCh	77, 26.332, 233.257
Yxy	50.7529, 0.2461, 0.2922
Android (android.graphics.Color)	4286433251 (0xFF7DC7E3)
YUV	180.0660, 23.1385, -48.2929
Hunter-Lab	71.2411, -17.5684, -16.8909

# Details

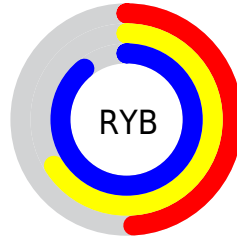
The Hex color **7DC7E3** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E3997D**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **B6FFFF**, and **4491AC** is the 20% darker color. If you saturate the color by 10%, you get **66C1E3**, and if you desaturate by 10%, it is **94CDE3**.

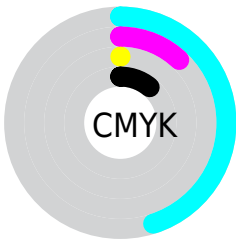
# Distribution



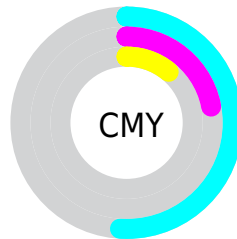
- Red (49%)
- Green (78%)
- Blue (89%)



- Red (49%)
- Yellow (66%)
- Blue (89%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)



- Cyan (51%)
- Magenta (22%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7DC7E3 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 7DC7E3 by changing the saturation by 10% instead.



 7DC7E3

 7DC7E3

FFFFFF

 61ACC7

 B6FFFF

 4491AC

 D3FFFF

 237791

 F1FFFF

 005E77

 00475E

 003047

 001C30

 00011B

 000000

7DC7E3

7DC7E3

66C1E3

94CDE3

50BBE3

AAD3E3

39B4E3

C1DAE3

22AEE3

D8E0E3

0BA8E3

EFE6E3

00A5E3

FFECE3

FFF3E3

FFF9E3

FFFFE3

# Harmonies

## Analogous

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



76CACF



7DC7E3



98C1ED

# Triad

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



7DC7E3



EAACC3



BBC190

# Complementary

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



7DC7E3



E3997D

# 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.



D4B98D



7DC7E3



EFACAB

# Square

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



7DC7E3



D7B0DA



E7B197



9FC79F

# Rectangle

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



7DC7E3



AEBBEC



E7B197



C4BF8D

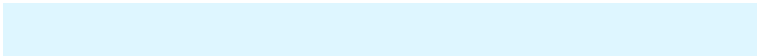


# Sweetspot

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



7DC7E3



DEF6FF



7DE398



6B7A80



000000



808080



# Same Dimension

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



7DC7E3



75D9FF



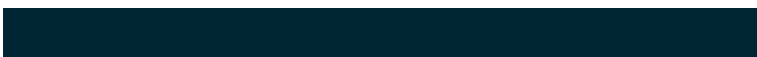
7D95E3



677073



0082B3



002533



# Inverse Universe

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



E37DC7



FF75D9



E3CB7D



736770



B30081

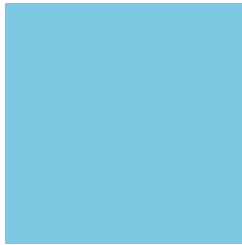


330025



# Previews

## White Background



This preview shows how the Hex color 7DC7E3 looks on a white background.

## Color Contrast Check

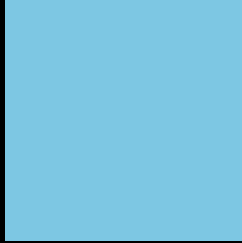
Large Text (above 18pt) WCAG AA × Fail

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 7DC7E3 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 7DC7E3 Background



This preview shows how black text looks on a background with the Hex color 7DC7E3.



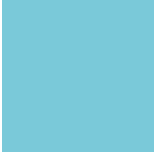
This preview shows how white text looks on a background with the Hex color 7DC7E3.

# 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



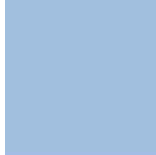


**Tritanopia**  
7AC9D9

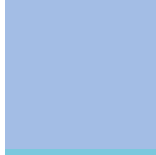
# Trichromacy



**Original Color**  
7DC7E3



**Protanomaly**  
A1BFDE



**Deuteranomaly**  
A3BDE5

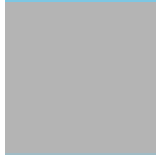


**Tritanomaly**  
7BC8DD

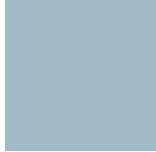
# Monochromacy



**Original Color**  
7DC7E3



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
A0BBC5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7DC7E3 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 #7DC7E3 looks like.

```
.text, #text, p{  
    color:#7DC7E3  
}
```

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 #7DC7E3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7DC7E3
}
```

## Border

The CSS property to change the border of an element to Hex 7DC7E3 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
#7DC7E3 }
```

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

```
.border{ border-color:#7DC7E3 }
```

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

Here you see how a box with a 4 pixel #7DC7E3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7DC7E3; -webkit-box-shadow:4px 4px  
4px 4px #7DC7E3; box-shadow:4px 4px 4px  
4px #7DC7E3 }
```

# Background

The CSS property to change the background color of an element to Hex 7DC7E3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7DC7E3 }
```

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

```
.background{ background-color:#7DC7E3 }
```

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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