

# Converting Colors

Hex(87DBE4)

Have a look what the booklet for  
Hex(87DBE4) contains.

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# **Color**

**Hex(87DBE4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87DBE4
RGB	135, 219, 228
RGB Percent	53%, 86%, 89%
CMY	0.4706, 0.1412, 0.1059
CMYK	0.41, 0.04, 0.00, 0.11
HSL	186°, 63%, 71%
HSV	186°, 41%, 89%
XYZ	49.3268, 61.4154, 82.6533
YIQ	194.9100, -52.9530, -15.0090

# Conversions

## Conversions Part 2

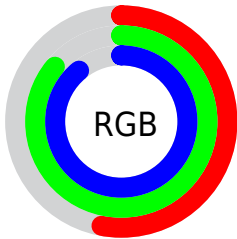
Format	Color
<a href="#">RYB</a>	<a href="#">135, 179, 228</a>
Decimal	<a href="#">8903652</a>
CIELab	<a href="#">82.60, -23.20, -12.44</a>
CIELCh	<a href="#">83, 26.325, 208.205</a>
Yxy	<a href="#">61.4154, 0.2551, 0.3176</a>
Android (android.graphics.Color)	<a href="#">4287093732 (0xFF87DBE4)</a>
YUV	<a href="#">194.9100, 16.3134, -52.5411</a>
Hunter-Lab	<a href="#">78.3680, -24.7915, -7.6746</a>

# Details

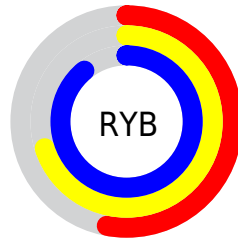
The Hex color **87DBE4** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **E49087**, and the grayscale version is **C3C3C3**.

A 20% lighter version of the original color is **C0FFFF**, and **4EA4AD** is the 20% darker color. If you saturate the color by 10%, you get **70D9E4**, and if you desaturate by 10%, it is **9EDDE4**.

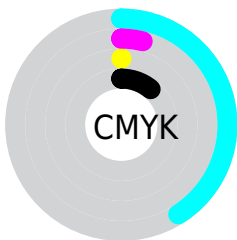
# Distribution



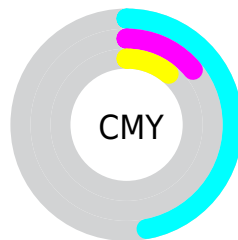
- Red (53%)
- Green (86%)
- Blue (89%)



- Red (53%)
- Yellow (70%)
- Blue (89%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (14%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87DBE4 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 87DBE4 by changing the saturation by 10% instead.



 87DBE4

 87DBE4

FFFFFF

 6BBFC8

 C0FFFF

 4EA4AD

 DDFFFF

 308992

 FBFFFF

 007078

 005760

 003F48

 002931

 00121D

 000000

 87DBE4

 87DBE4

 70D9E4

 9EDDE4

 59D7E4

 B5DFE4

 43D4E4

 CBE2E4

 2CD2E4

 E2E4E4

 15D0E4

 F9E6E4

 00CEE4

 FFE8E4

 FFEAE4

 FFEDE4

 FFEFE4

# Harmonies

## Analogous

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



92DCCB



87DBE4



91D7F7

# Triad

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



87DBE4



ECC0E8



E2CB9C

# Complementary

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



87DBE4



E49087

# 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.



F6C3A4



87DBE4



FDBCD0

# Square

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



87DBE4



D0C8F9



FFBDB7



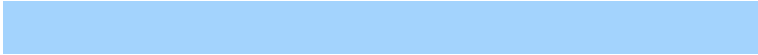
C7D3A2

# Rectangle

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



87DBE4



A3D3FD



FFBDB7



E9C99E

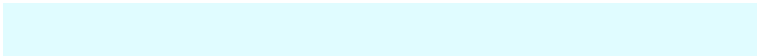


# Sweetspot

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



87DBE4



E0FCFF



87E48F



6E7E80



000000



808080



# Same Dimension

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



87DBE4



82F3FF



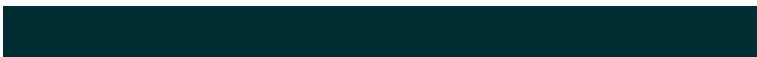
87AEE4



677273



00A1B3



002E33



# Inverse Universe

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



E487DB



FF82F3



E4BD87



736772



B300A1

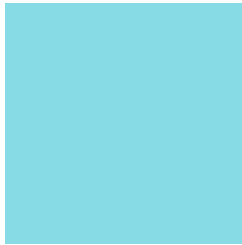


33002E



# Previews

## White Background



This preview shows how the Hex color 87DBE4 looks on a white background.

## Color Contrast Check

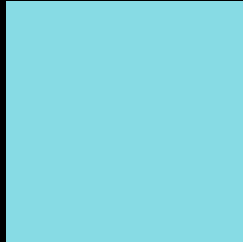
Large Text (above 18pt) WCAG AA × Fail

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 87DBE4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

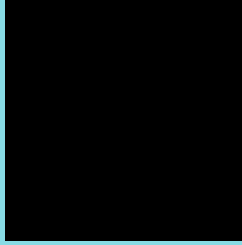
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87DBE4 Background



This preview shows how black text looks on a background with the Hex color 87DBE4.

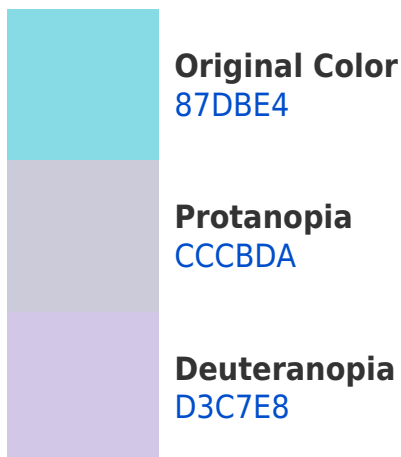


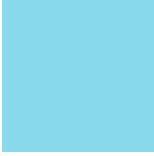
This preview shows how white text looks on a background with the Hex color 87DBE4.

# 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



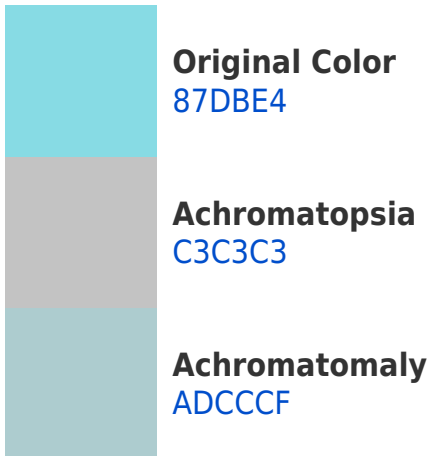


**Tritanopia**  
89DAEB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87DBE4 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 #87DBE4 looks like.

```
.text, #text, p{  
    color:#87DBE4  
}
```

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 #87DBE4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87DBE4
}
```

## Border

The CSS property to change the border of an element to Hex 87DBE4 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
#87DBE4 }
```

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

```
.border{ border-color:#87DBE4 }
```

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

Here you see how a box with a 4 pixel #87DBE4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87DBE4; -webkit-box-shadow:4px 4px  
4px 4px #87DBE4; box-shadow:4px 4px 4px  
4px #87DBE4 }
```

# Background

The CSS property to change the background color of an element to Hex 87DBE4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87DBE4 }
```

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

```
.background{ background-color:#87DBE4 }
```

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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