

# Converting Colors

Hex(9DE8EC)

Have a look what the booklet for  
Hex(9DE8EC) contains.

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# **Color**

**Hex(9DE8EC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DE8EC
RGB	157, 232, 236
RGB Percent	62%, 91%, 93%
CMY	0.3843, 0.0902, 0.0745
CMYK	0.33, 0.02, 0.00, 0.07
HSL	183°, 68%, 77%
HSV	183°, 33%, 93%
XYZ	57.9016, 70.9375, 89.9974
YIQ	210.0310, -45.9840, -14.6560

# Conversions

## Conversions Part 2

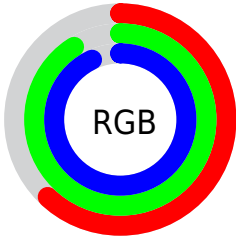
Format	Color
<a href="#">RYB</a>	<a href="#">157, 195, 236</a>
Decimal	<a href="#">10348780</a>
CIELab	<a href="#">87.45, -22.07, -9.33</a>
CIELCh	<a href="#">87, 23.956, 202.909</a>
Yxy	<a href="#">70.9375, 0.2646, 0.3242</a>
Android (android.graphics.Color)	<a href="#">4288538860</a> ( <a href="#">0xFF9DE8EC</a> )
YUV	<a href="#">210.0310, 12.8027, -46.5082</a>
Hunter-Lab	<a href="#">84.2244, -24.6796, -4.3969</a>

# Details

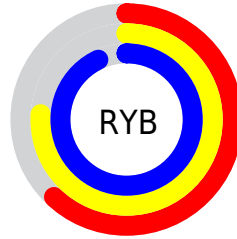
The Hex color **9DE8EC** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **ECA19D**, and the grayscale version is **D2D2D2**.

A 20% lighter version of the original color is **D6FFFF**, and **66B0B4** is the 20% darker color. If you saturate the color by 10%, you get **85E7EC**, and if you desaturate by 10%, it is **B5E9EC**.

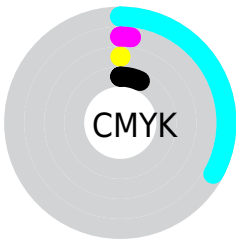
# Distribution



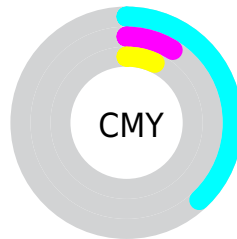
- Red (62%)
- Green (91%)
- Blue (93%)



- Red (62%)
- Yellow (76%)
- Blue (93%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (9%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9DE8EC 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 9DE8EC by changing the saturation by 10% instead.



 9DE8EC

 9DE8EC

FFFFFF

 81CCD0

 D6FFFF

 66B0B4

 F3FFFF

 4A9599

 2D7B80

 056267

 004A4F

 003338

 001F22

 00000C

 9DE8EC

 9DE8EC

 85E7EC

 B5E9EC

 6EE6EC

 CCEAEC

 56E4EC

 E4ECEC

 3FE3EC

 FBEDEC

 27E2EC

 FFEEEC

 0FE1EC

 FFEFEC

 00E0EC

 FFF0EC

 FFF2EC

 FFF3EC

# Harmonies

## Analogous

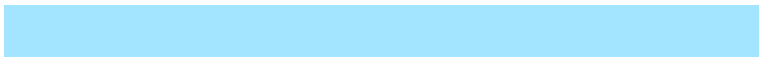
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



A9E8D5



9DE8EC



A3E5FF

# Triad

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



9DE8EC



F4D0F7



F2D8AE

# Complementary

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



9DE8EC



ECA19D

# 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.



FFD1B8



9DE8EC



FFCCE2

# Square

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



9DE8EC



D8D7FF



FFCCCA



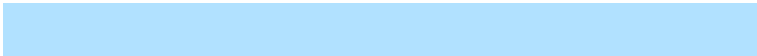
DADFB1

# Rectangle

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



9DE8EC



B1E1FF



FFCCCA



F9D5B0

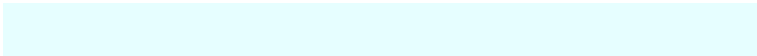


# Sweetspot

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



9DE8EC



E6FEFF



9DECA1



707F80



000000



808080



# Same Dimension

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



9DE8EC



99FAFF



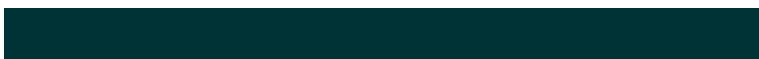
9DC1EC



6A7575



00ACB5



003336



# Inverse Universe

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



EC9DE8



FF99FA



ECC89D



756A75



B500AC

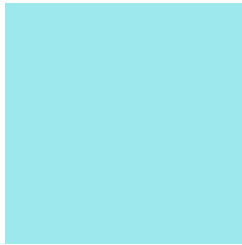


360033



# Previews

## White Background



This preview shows how the Hex color 9DE8EC looks on a white background.

## Color Contrast Check

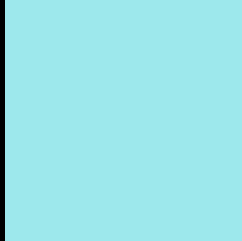
Large Text (above 18pt) WCAG AA × Fail

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 9DE8EC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

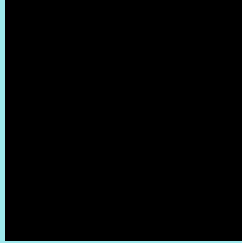
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 9DE8EC Background



This preview shows how black text looks on a background with the Hex color 9DE8EC.

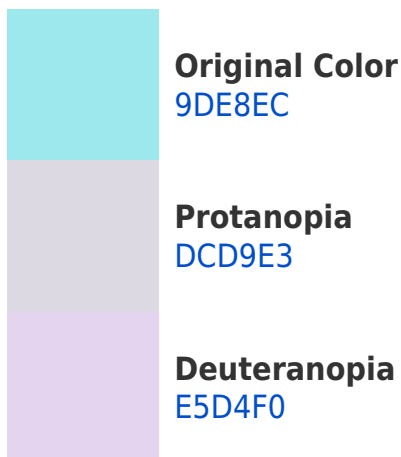


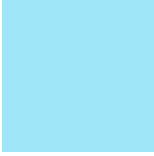
This preview shows how white text looks on a background with the Hex color 9DE8EC.

# 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



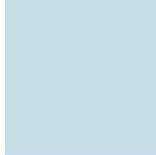


**Tritanopia**  
A0E6F9

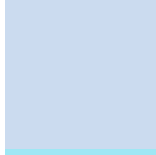
# Trichromacy



**Original Color**  
9DE8EC



**Protanomaly**  
C5DEE6



**Deuteranomaly**  
CBDBEF

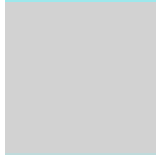


**Tritanomaly**  
9FE7F4

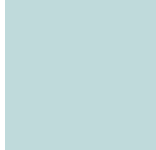
# Monochromacy



**Original Color**  
9DE8EC



**Achromatopsia**  
D2D2D2



**Achromatomaly**  
BFDADB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9DE8EC 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 #9DE8EC looks like.

```
.text, #text, p{  
    color:#9DE8EC  
}
```

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 #9DE8EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9DE8EC
}
```

## Border

The CSS property to change the border of an element to Hex 9DE8EC 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
#9DE8EC }
```

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

```
.border{ border-color:#9DE8EC }
```

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

Here you see how a box with a 4 pixel #9DE8EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9DE8EC; -webkit-box-shadow:4px 4px  
4px 4px #9DE8EC; box-shadow:4px 4px 4px  
4px #9DE8EC }
```

# Background

The CSS property to change the background color of an element to Hex 9DE8EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9DE8EC }
```

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

```
.background{ background-color:#9DE8EC }
```

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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