

# Converting Colors

Hex(90D5E8)

Have a look what the booklet for  
Hex(90D5E8) contains.

<b>Hex(90D5E8)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(90D5E8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90D5E8
RGB	144, 213, 232
RGB Percent	56%, 84%, 91%
CMY	0.4353, 0.1647, 0.0902
CMYK	0.38, 0.08, 0.00, 0.09
HSL	193°, 66%, 74%
HSV	193°, 38%, 91%
XYZ	49.8613, 59.3440, 85.1705
YIQ	194.5350, -47.2230, -8.7190

# Conversions

## Conversions Part 2

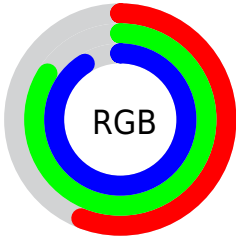
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 183, 232
Decimal	9491944
CIELab	81.48, -16.92, -16.21
CIELCh	81, 23.431, 223.769
Yxy	59.3440, 0.2565, 0.3053
Android (android.graphics.Color)	4287682024 (0xFF90D5E8)
YUV	194.5350, 18.4702, -44.3192
Hunter-Lab	77.0350, -19.2763, -11.6269

# Details

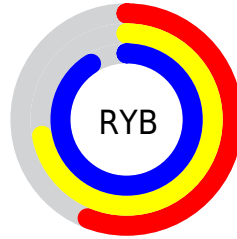
The Hex color **90D5E8** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **E8A390**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **C9FFFF**, and **599EB0** is the 20% darker color. If you saturate the color by 10%, you get **79D0E8**, and if you desaturate by 10%, it is **A7DAE8**.

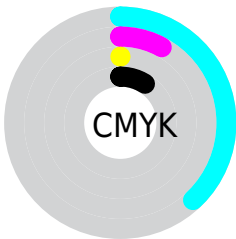
# Distribution



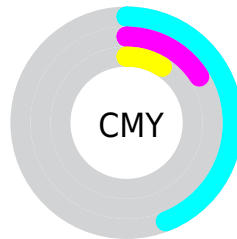
- Red (56%)
- Green (84%)
- Blue (91%)



- Red (56%)
- Yellow (72%)
- Blue (91%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90D5E8 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 90D5E8 by changing the saturation by 10% instead.



 90D5E8

 90D5E8

FFFFFF

 74B9CC

 C9FFFF

 599EB0

 E6FFFF

 3C8496

 1D6B7C

 005263

 003B4B

 002534

 000C1F

 000004

 90D5E8

 90D5E8

 79D0E8

 A7DAE8

 62CBE8

 BEDFE8

 4AC6E8

 D6E4E8

 33C1E8

 EDE9E8

 1CBCE8

 FFEEE8

 05B7E8

 FFF3E8

 00B6E8

 FFF8E8

 FFFDE8

 FFFF8E8

# Harmonies

## Analogous

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



90D7D4



90D5E8



A2D0F4

# Triad

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



90D5E8



EFBCD7



D1CCA0

# Complementary

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



90D5E8



E8A390

# 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.



E6C5A1



90D5E8



F8BBC1

# Square

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



90D5E8



DBC2EA



F4BEAD



B8D2AA

# Rectangle

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



90D5E8



B5CBF6



F4BEAD



D8CA9F



# Sweetspot

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



90D5E8



E3F9FF



90E8A2



6F7C80



000000



808080

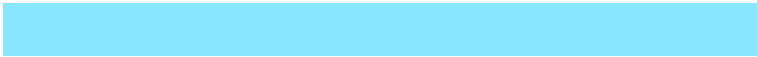


# Same Dimension

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



90D5E8



8AE6FF



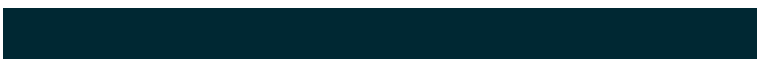
90AAE8



677073



008CB3



002833



# Inverse Universe

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



E890D5



FF8AE6



E8CE90



736770



B3008C

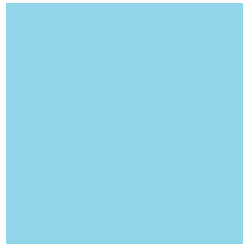


330028



# Previews

## White Background



This preview shows how the Hex color 90D5E8 looks on a white background.

## Color Contrast Check

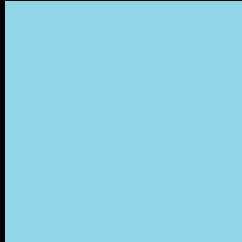
Large Text (above 18pt) WCAG AA × Fail

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 90D5E8 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 90D5E8 Background



This preview shows how black text looks on a background with the Hex color 90D5E8.

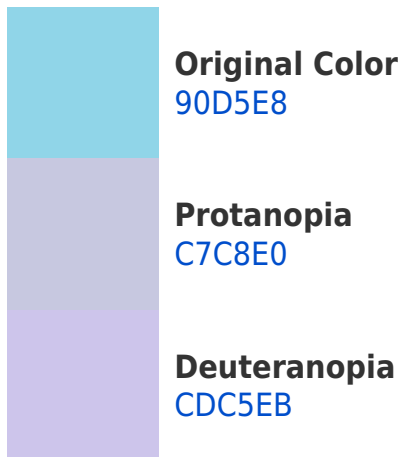


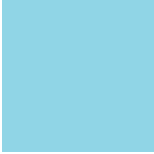
This preview shows how white text looks on a background with the Hex color 90D5E8.

# 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](#).

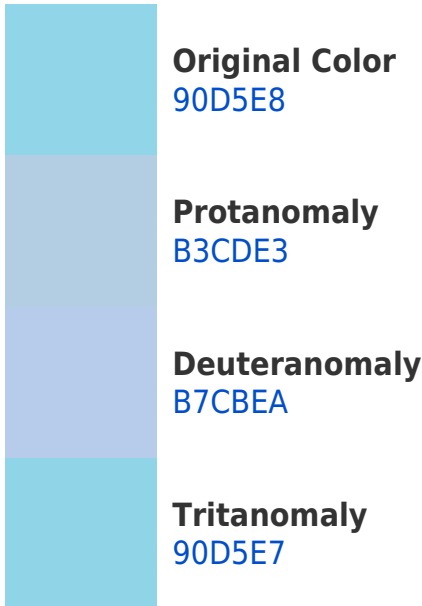
## Dichromacy



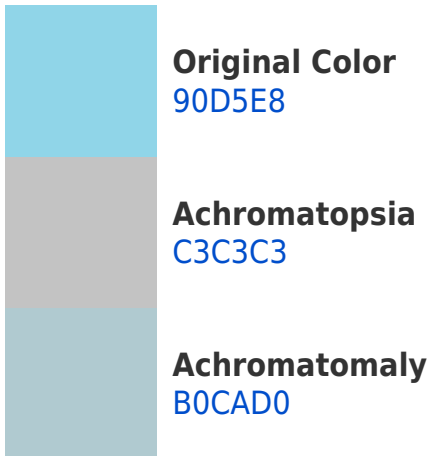


**Tritanopia**  
90D5E6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90D5E8 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 #90D5E8 looks like.

```
.text, #text, p{  
    color:#90D5E8  
}
```

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 #90D5E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90D5E8
}
```

## Border

The CSS property to change the border of an element to Hex 90D5E8 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
#90D5E8 }
```

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

```
.border{ border-color:#90D5E8 }
```

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

Here you see how a box with a 4 pixel #90D5E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90D5E8; -webkit-box-shadow:4px 4px  
4px 4px #90D5E8; box-shadow:4px 4px 4px  
4px #90D5E8 }
```

# Background

The CSS property to change the background color of an element to Hex 90D5E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90D5E8 }
```

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

```
.background{ background-color:#90D5E8 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor