

# Converting Colors

Hex(128BD8)

Have a look what the booklet for  
Hex(128BD8) contains.

<b>Hex(128BD8)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(128BD8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	128BD8
RGB	18, 139, 216
RGB Percent	7%, 55%, 85%
CMY	0.9294, 0.4549, 0.1529
CMYK	0.92, 0.36, 0.00, 0.15
HSL	203°, 85%, 46%
HSV	203°, 92%, 85%
XYZ	21.8767, 23.5517, 68.3587
YIQ	111.5990, -96.8330, -1.7050

# Conversions

## Conversions Part 2

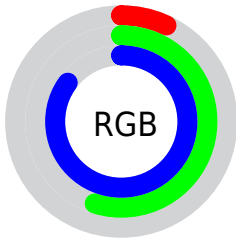
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 93, 216
Decimal	1215448
CIE <sub>Lab</sub>	55.64, -2.36, -47.74
CIE <sub>LCh</sub>	56, 47.802, 267.175
Yxy	23.5517, 0.1923, 0.2070
Android (android.graphics.Color)	4279405528 (0xFF128BD8)
YUV	111.5990, 51.4697, -82.0863
Hunter-Lab	48.5301, -4.4622, -49.5438

# Details

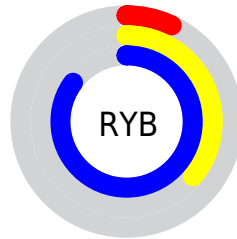
The Hex color **128BD8** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **D85F12**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **69C0FF**, and **005AA1** is the 20% darker color. If you saturate the color by 10%, you get **0084D8**, and if you desaturate by 10%, it is **2893D8**.

# Distribution



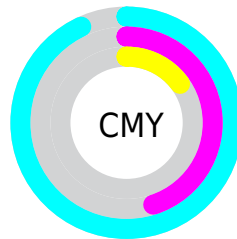
- Red (7%)
- Green (55%)
- Blue (85%)



- Red (7%)
- Yellow (36%)
- Blue (85%)



- Cyan (92%)
- Magenta (36%)
- Yellow (0%)
- Black (15%)



- Cyan (93%)
- Magenta (45%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 128BD8 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 128BD8 by changing the saturation by 10% instead.



 128BD8

 128BD8

FFFFFF

 0072BC

 69C0FF

 005AA1

 8ADCFF

 004386

 A9F8FF

 002D6C

 C7FFFF

 001953

 E6FFFF

 00063C

 000225

 00010E

 000000

■ 128BD8

■ 128BD8

■ 0084D8

■ 2893D8

■ 3D9CD8

■ 53A4D8

■ 68ADD8

■ 7EB5D8

■ 94BDD8

■ A9C6D8

■ BFCED8

■ D4D7D8

# Harmonies

## Analogous

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



0095CA



128BD8



817CCF

# Triad

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



128BD8



D16462



419656

# Complementary

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



128BD8



D85F12

# 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.



778E37



128BD8



BF7240

# Square

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



128BD8



CE618B



A0822E



009980

# Rectangle

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



128BD8



A671BE



A0822E



56944A

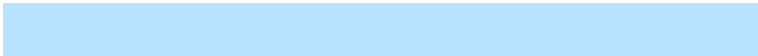


# Sweetspot

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



128BD8



B8E3FF



12D85E



546F80



000000



808080

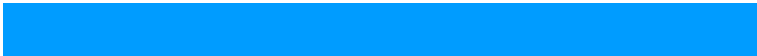


# Same Dimension

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



128BD8



009CFF



1229D8



60676B



0068AB



001A2B



# Inverse Universe

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



D8128B



FF009C



D8C112



6B6067



AB0068



2B001A



# Previews

## White Background



This preview shows how the Hex color 128BD8 looks on a white background.

## Color Contrast Check

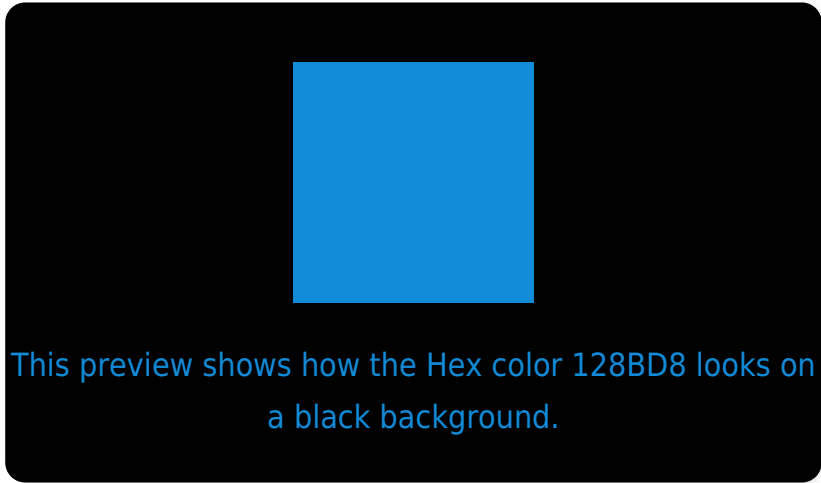
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

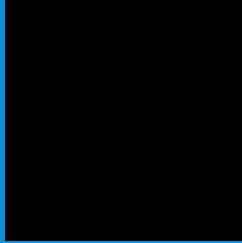
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

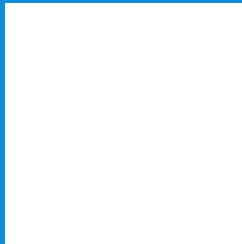
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 128BD8 Background



This preview shows how black text looks on a background with the Hex color 128BD8.

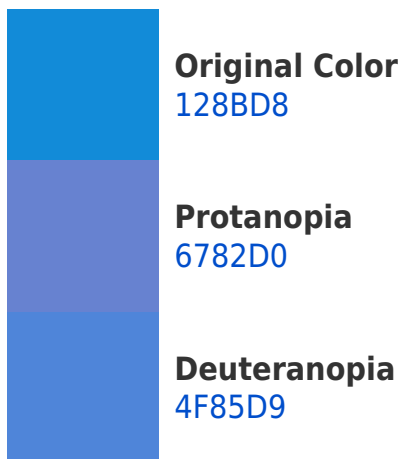


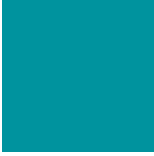
This preview shows how white text looks on a background with the Hex color 128BD8.

# 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](#).

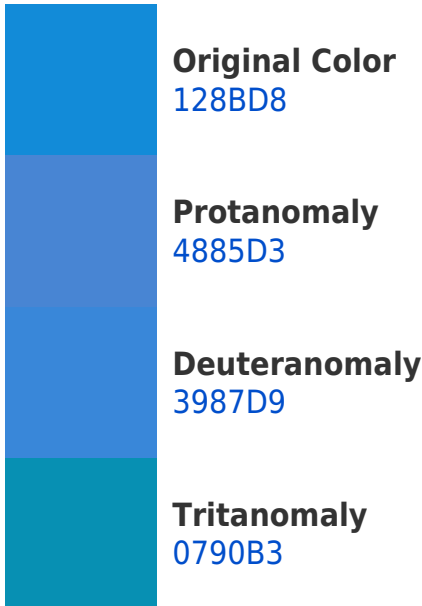
## Dichromacy



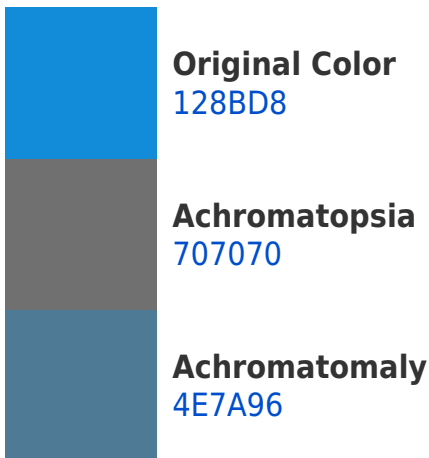


**Tritanopia**  
00939E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 128BD8 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 #128BD8 looks like.

```
.text, #text, p{  
    color:#128BD8  
}
```

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 #128BD8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #128BD8  
}
```

## Border

The CSS property to change the border of an element to Hex 128BD8 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  
#128BD8 }
```

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

```
.border{ border-color:#128BD8 }
```

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

Here you see how a box with a 4 pixel #128BD8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #128BD8; -webkit-box-shadow:4px 4px  
4px 4px #128BD8; box-shadow:4px 4px 4px  
4px #128BD8 }
```

# Background

The CSS property to change the background color of an element to Hex 128BD8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#128BD8 }
```

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

```
.background{ background-color:#128BD8 }
```

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