

# Converting Colors

Hex(1D7AE2)

Have a look what the booklet for  
Hex(1D7AE2) contains.

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# Color

Hex(1D7AE2)

# Conversions

## Conversions Part 1

Format	Color
Hex	1D7AE2
RGB	29, 122, 226
RGB Percent	11%, 48%, 89%
CMY	0.8863, 0.5216, 0.1137
CMYK	0.87, 0.46, 0.00, 0.11
HSL	212°, 77%, 50%
HSV	212°, 87%, 89%
XYZ	21.1937, 19.6713, 74.6314
YIQ	106.0490, -88.8120, 12.6280

# Conversions

## Conversions Part 2

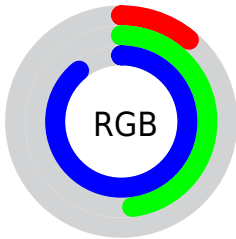
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	29, 92, 226
Decimal	1932002
CIE Lab	51.46, 12.41, -60.02
CIE LCh	51, 61.292, 281.679
Yxy	19.6713, 0.1835, 0.1703
Android (android.graphics.Color)	4280122082 (0xFF1D7AE2)
YUV	106.0490, 59.1358, -67.5720
Hunter-Lab	44.3523, 7.6795, -68.7204

# Details

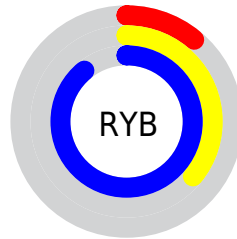
The Hex color **1D7AE2** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **E2851D**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **6FAEFF**, and **004AAA** is the 20% darker color. If you saturate the color by 10%, you get **066EE2**, and if you desaturate by 10%, it is **3486E2**.

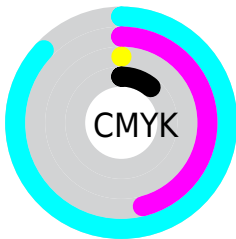
# Distribution



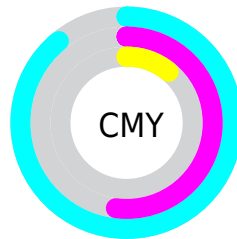
- Red (11%)
- Green (48%)
- Blue (89%)



- Red (11%)
- Yellow (36%)
- Blue (89%)



- Cyan (87%)
- Magenta (46%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (52%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1D7AE2 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 1D7AE2 by changing the saturation by 10% instead.



■ 1D7AE2

■ 1D7AE2

FFFFFF

■ 0062C6

■ 6FAEFF

■ 004AAA

■ 90C9FF

■ 00358F

■ AFE5FF

■ 002175

■ CEFFFF

■ 00095B

■ EDFFFF

■ 000743

■ 00032C

■ 000116

■ 000000

■ 1D7AE2

■ 1D7AE2

■ 066EE2

■ 3486E2

■ 006BE2

■ 4A92E2

■ 619EE2

■ 77AAE2

■ 8EB6E2

■ A5C2E2

■ BBCEE2

■ D2D9E2

■ E8E5E2

# Harmonies

## Analogous

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



0089DE



1D7AE2



9663CA

# Triad

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



1D7AE2



CD5537



009158

# Complementary

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



1D7AE2



E2851D

# 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.



458A23



1D7AE2



AD6C02

# Square

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



1D7AE2



D84468



807F00



00938E

# Rectangle

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



1D7AE2



BB52AD



807F00



008F46

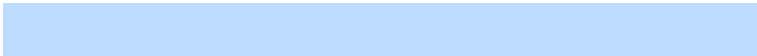


# Sweetspot

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



1D7AE2



BDDCFF



1DE283



586B80



000000



808080



# Same Dimension

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



1D7AE2



0078FF



201DE2



656A70



0053B0



001730



# Inverse Universe

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



E21D7A



FF0078



DFE21D



70656A



B00053



300017



# Previews

## White Background



This preview shows how the Hex color 1D7AE2 looks on a white background.

## Color Contrast Check

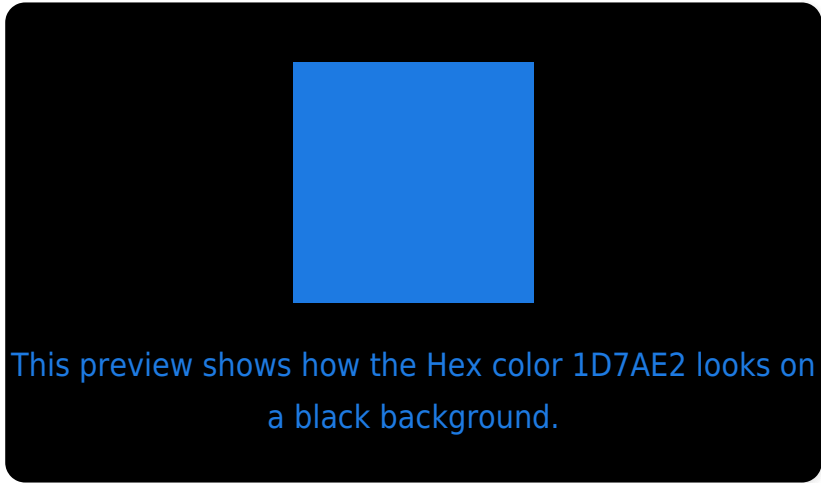
Large Text (above 18pt) WCAG AA ✓ Pass

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

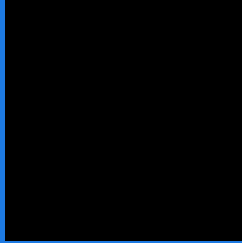
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

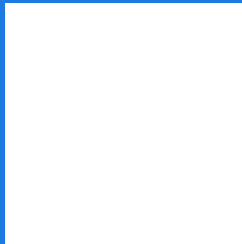
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1D7AE2 Background



This preview shows how black text looks on a background with the Hex color 1D7AE2.



This preview shows how white text looks on a background with the Hex color 1D7AE2.

# 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](#).

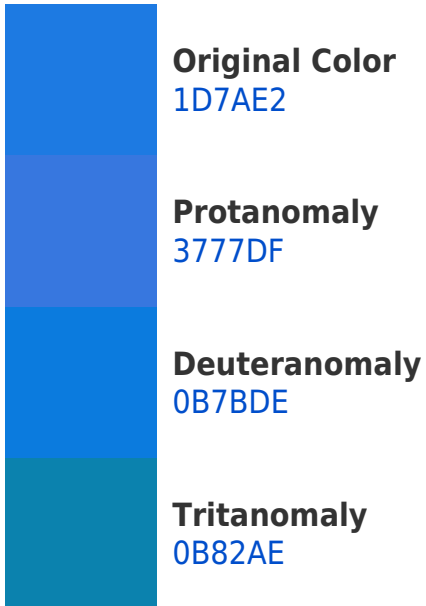
## Dichromacy



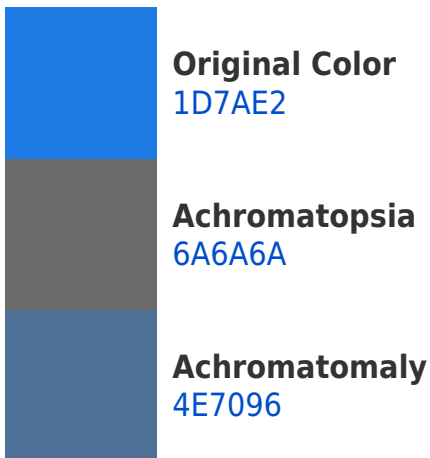


**Tritanopia**  
008791

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1D7AE2 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 #1D7AE2 looks like.

```
.text, #text, p{  
    color:#1D7AE2  
}
```

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 #1D7AE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1D7AE2
}
```

## Border

The CSS property to change the border of an element to Hex 1D7AE2 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
#1D7AE2 }
```

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

```
.border{ border-color:#1D7AE2 }
```

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

Here you see how a box with a 4 pixel #1D7AE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1D7AE2; -webkit-box-shadow:4px 4px  
4px 4px #1D7AE2; box-shadow:4px 4px 4px  
4px #1D7AE2 }
```

# Background

The CSS property to change the background color of an element to Hex 1D7AE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1D7AE2 }
```

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

```
.background{ background-color:#1D7AE2 }
```

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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