

# Converting Colors

Hex(2D78D3)

Have a look what the booklet for  
Hex(2D78D3) contains.

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# Color

**Hex(2D78D3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D78D3
RGB	45, 120, 211
RGB Percent	18%, 47%, 83%
CMY	0.8235, 0.5294, 0.1725
CMYK	0.79, 0.43, 0.00, 0.17
HSL	213°, 65%, 50%
HSV	213°, 79%, 83%
XYZ	19.5565, 18.6940, 64.2056
YIQ	107.9490, -73.9110, 12.4010

# Conversions

## Conversions Part 2

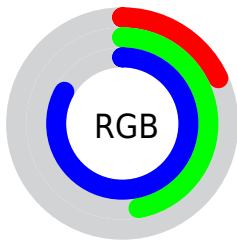
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 97, 211
Decimal	2980051
CIE <sub>Lab</sub>	50.33, 9.29, -53.36
CIE <sub>LCh</sub>	50, 54.158, 279.874
Yxy	18.6940, 0.1909, 0.1825
Android (android.graphics.Color)	4281170131 (0xFF2D78D3)
YUV	107.9490, 50.8041, -55.2063
Hunter-Lab	43.2365, 5.0743, -57.7791

# Details

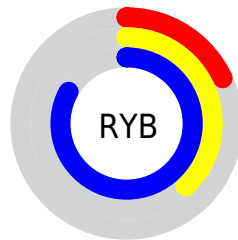
The Hex color **2D78D3** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D3882D**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **73ACFF**, and **00489C** is the 20% darker color. If you saturate the color by 10%, you get **186CD3**, and if you desaturate by 10%, it is **4284D3**.

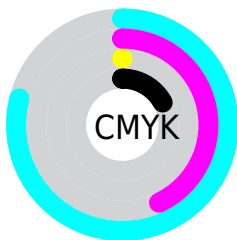
# Distribution



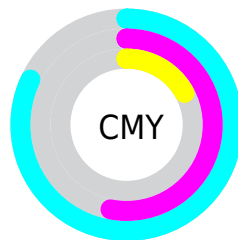
- Red (18%)
- Green (47%)
- Blue (83%)



- Red (18%)
- Yellow (38%)
- Blue (83%)



- Cyan (79%)
- Magenta (43%)
- Yellow (0%)
- Black (17%)



- Cyan (82%)
- Magenta (53%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D78D3 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 2D78D3 by changing the saturation by 10% instead.



■ 2D78D3

■ 2D78D3

FFFFFF

■ 0060B7

■ 73ACFF

■ 00489C

■ 92C7FF

■ 003381

■ B0E3FF

■ 001F67

■ CFFFFFF

■ 00044F

■ EDFFFF

■ 000537

■ 000221

■ 000005

■ 000000

■ 2D78D3

■ 2D78D3

■ 186CD3

■ 4284D3

■ 0361D3

■ 578FD3

■ 005FD3

■ 6C9BD3

■ 81A6D3

■ 97B2D3

■ ACBDD3

■ C1C9D3

■ D6D5D3

■ EBE0D3

# Harmonies

## Analogous

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



0085CE



2D78D3



8D65BF

# Triad

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



2D78D3



C3573F



008B56

# Complementary

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



2D78D3



D3882D

# 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.



4E852B



2D78D3



A86A1B

# Square

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



2D78D3



CB4B6A



817A0B



008E86

# Rectangle

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



2D78D3



AF57A7



817A0B



0E8A47



# Sweetspot

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



2D78D3



C2DDFF



2DD386



5B6B80



000000



808080



# Same Dimension

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



2D78D3



0F7CFF



332DD3



5E6369



004CA8



001229



# Inverse Universe

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



D32D78



FF0F7C



CDD32D



695E63



A8004C

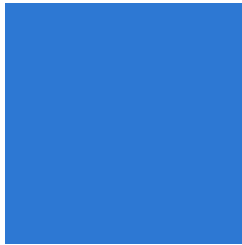


290012



# Previews

## White Background



This preview shows how the Hex color 2D78D3 looks on a white background.

## Color Contrast Check

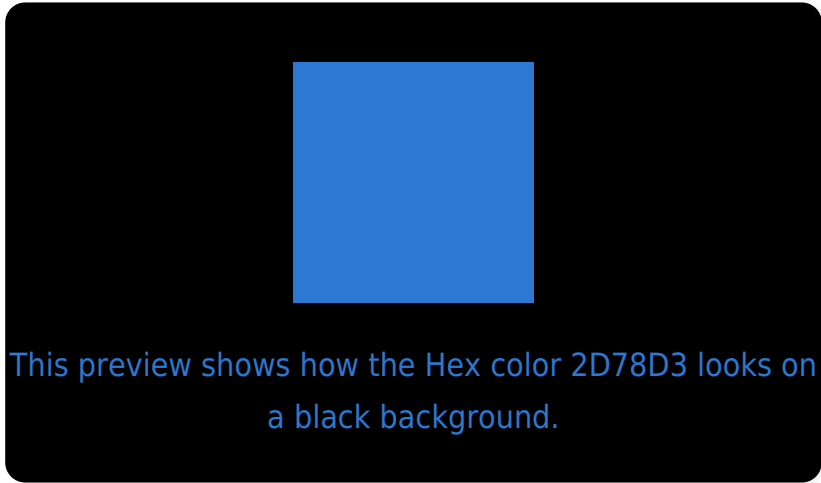
Large Text (above 18pt) WCAG AA ✓ Pass

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

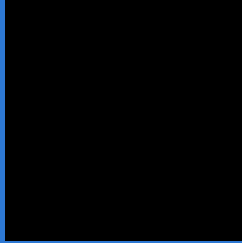
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

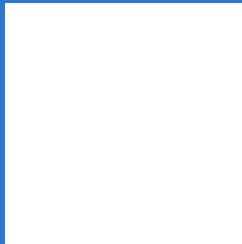
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D78D3 Background



This preview shows how black text looks on a background with the Hex color 2D78D3.



This preview shows how white text looks on a background with the Hex color 2D78D3.

# 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](#).

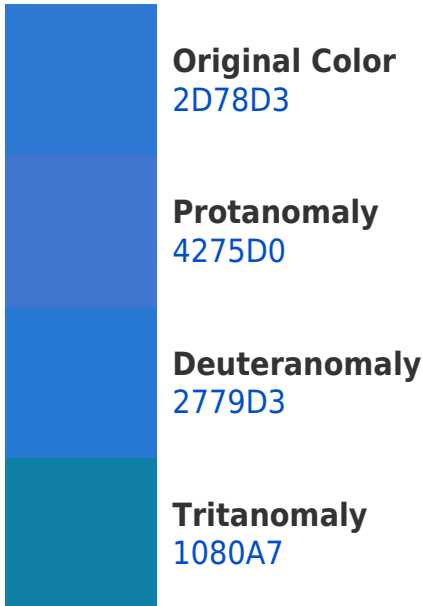
## Dichromacy



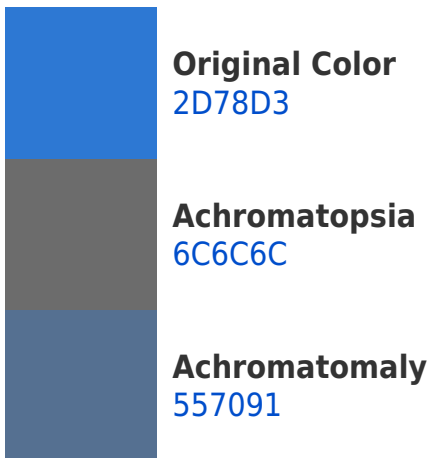


**Tritanopia**  
00848E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D78D3 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 #2D78D3 looks like.

```
.text, #text, p{  
    color:#2D78D3  
}
```

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 #2D78D3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D78D3
}
```

## Border

The CSS property to change the border of an element to Hex 2D78D3 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
#2D78D3 }
```

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

```
.border{ border-color:#2D78D3 }
```

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

Here you see how a box with a 4 pixel #2D78D3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D78D3; -webkit-box-shadow:4px 4px  
4px 4px #2D78D3; box-shadow:4px 4px 4px  
4px #2D78D3 }
```

# Background

The CSS property to change the background color of an element to Hex 2D78D3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D78D3 }
```

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

```
.background{ background-color:#2D78D3 }
```

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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