

# Converting Colors

Hex(3D91C0)

Have a look what the booklet for  
Hex(3D91C0) contains.

<b>Hex(3D91C0)</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(3D91C0)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D91C0
RGB	61, 145, 192
RGB Percent	24%, 57%, 75%
CMY	0.7608, 0.4314, 0.2471
CMYK	0.68, 0.24, 0.00, 0.25
HSL	202°, 52%, 50%
HSV	202°, 68%, 75%
XYZ	21.5643, 25.0487, 53.5675
YIQ	125.2420, -65.1510, -3.1910

# Conversions

## Conversions Part 2

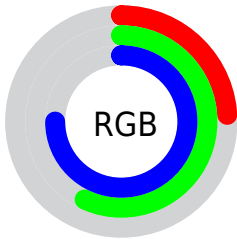
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 112, 192
Decimal	4035008
CIELab	57.12, -10.23, -31.81
CIElCh	57, 33.417, 252.174
Yxy	25.0487, 0.2153, 0.2500
Android (android.graphics.Color)	4282225088 (0xFF3D91C0)
YUV	125.2420, 32.9117, -56.3402
Hunter-Lab	50.0486, -10.6754, -28.4245

# Details

The Hex color **3D91C0** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **C06C3D**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **7BC7F9**, and **005F8A** is the 20% darker color. If you saturate the color by 10%, you get **2A8AC0**, and if you desaturate by 10%, it is **5098C0**.

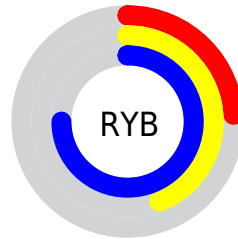
# Distribution



Red (24%)

Green (57%)

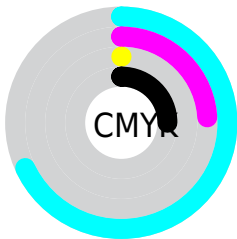
Blue (75%)



Red (24%)

Yellow (44%)

Blue (75%)

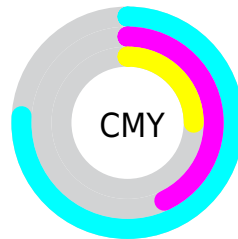


Cyan (68%)

Magenta (24%)

Yellow (0%)

Black (25%)



Cyan (76%)

Magenta (43%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D91C0 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 3D91C0 by changing the saturation by 10% instead.



■ 3D91C0

■ 3D91C0

FFFFFF

■ 1277A5

■ 7BC7F9

■ 005F8A

■ 98E3FF

■ 004771

■ B5FFFF

■ 003158

■ D3FFFF

■ 001D40

■ F1FFFF

■ 00032A

■ 000114

■ 000000

■ 3D91C0

■ 3D91C0

■ 2A8AC0

■ 5098C0

■ 1783C0

■ 639FC0

■ 037CC0

■ 77A6C0

■ 007BC0

■ 8AADC0

■ 9DB3C0

■ B0BAC0

■ C3C1C0

■ D7C8C0

■ EACFC0

# Harmonies

## Analogous

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



0097AF



3D91C0



7288C2

# Triad

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



3D91C0



C2727E



70935D

# Complementary

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



3D91C0



C06C3D

# 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.



908B4F



3D91C0



BD7863

# Square

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



3D91C0



B7759C



AB8152



4B9776

# Rectangle

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



3D91C0



8F81BA



AB8152



7B9157

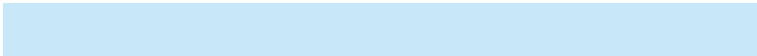


# Sweetspot

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



3D91C0



C8E8FA



3DC06B



5F727D



FCFCFC



7D7D7D



# Same Dimension

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



3D91C0



2DB0FA



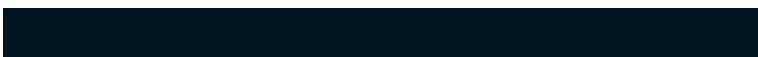
3D51C0



575D61



0067A1



001521



# Inverse Universe

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



C03D91



FA2DB0



C0AC3D



61575D



A10067



210015



# Previews

## White Background



This preview shows how the Hex color 3D91C0 looks on a white background.

## Color Contrast Check

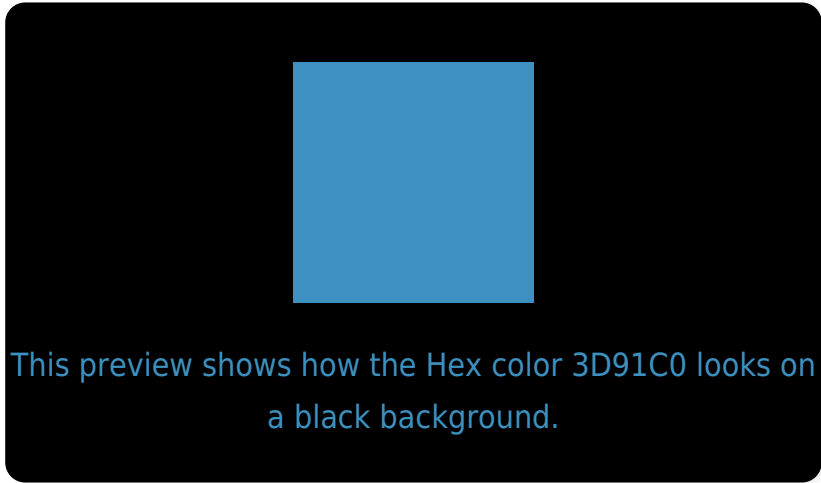
Large Text (above 18pt) WCAG AA ✓ Pass

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

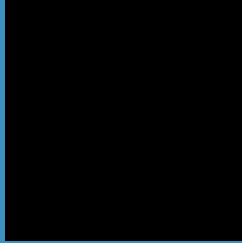
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 3D91C0 Background



This preview shows how black text looks on a background with the Hex color 3D91C0.

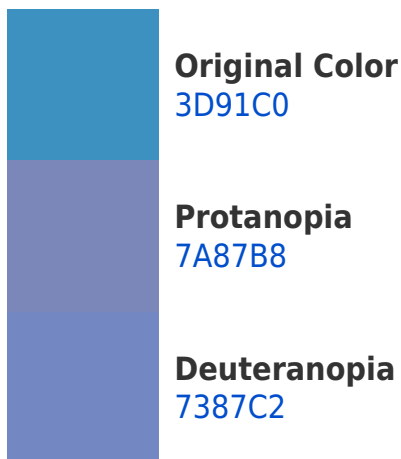


This preview shows how white text looks on a background with the Hex color 3D91C0.

# 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](#).

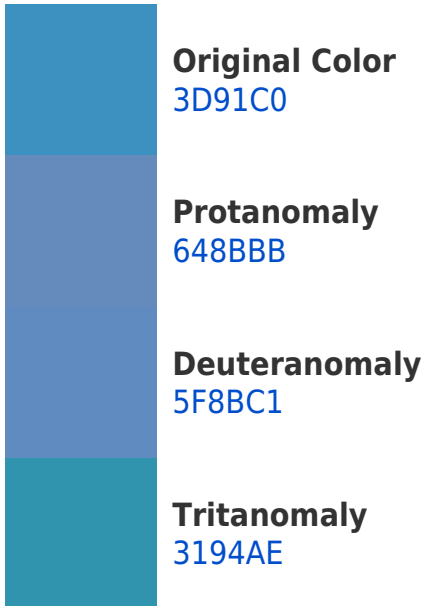
## Dichromacy





**Tritanopia**  
2A96A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D91C0 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 #3D91C0 looks like.

```
.text, #text, p{  
    color:#3D91C0  
}
```

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 #3D91C0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D91C0
}
```

## Border

The CSS property to change the border of an element to Hex 3D91C0 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
#3D91C0 }
```

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

```
.border{ border-color:#3D91C0 }
```

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

Here you see how a box with a 4 pixel #3D91C0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D91C0; -webkit-box-shadow:4px 4px  
4px 4px #3D91C0; box-shadow:4px 4px 4px  
4px #3D91C0 }
```

# Background

The CSS property to change the background color of an element to Hex 3D91C0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D91C0 }
```

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

```
.background{ background-color:#3D91C0 }
```

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