

# Converting Colors

Hex(3176A4)

Have a look what the booklet for  
Hex(3176A4) contains.

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# Color

Hex(3176A4)

# Conversions

## Conversions Part 1

Format	Color
Hex	3176A4
RGB	49, 118, 164
RGB Percent	19%, 46%, 64%
CMY	0.8078, 0.5373, 0.3569
CMYK	0.70, 0.28, 0.00, 0.36
HSL	204°, 54%, 42%
HSV	204°, 70%, 64%
XYZ	14.4459, 16.2902, 37.5049
YIQ	102.6130, -55.8900, -0.3220

# Conversions

## Conversions Part 2

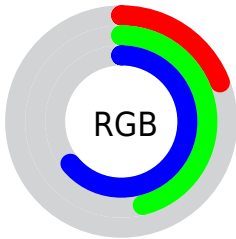
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 92, 164
Decimal	3241636
CIELab	47.35, -6.24, -30.97
CIELCh	47, 31.591, 258.607
Yxy	16.2902, 0.2117, 0.2387
Android (android.graphics.Color)	4281431716 (0xFF3176A4)
YUV	102.6130, 30.2638, -47.0186
Hunter-Lab	40.3611, -6.7438, -26.8415

# Details

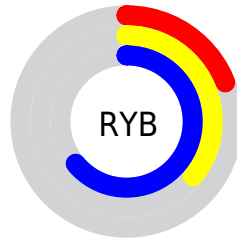
The Hex color **3176A4** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A45F31**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **6DAADB**, and **004670** is the 20% darker color. If you saturate the color by 10%, you get **216FA4**, and if you desaturate by 10%, it is **417DA4**.

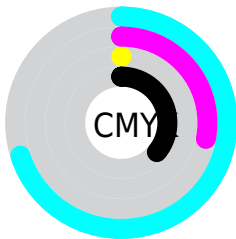
# Distribution



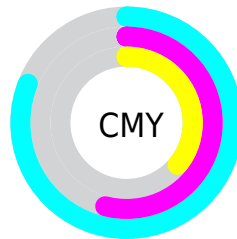
- Red (19%)
- Green (46%)
- Blue (64%)



- Red (19%)
- Yellow (36%)
- Blue (64%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (36%)



- Cyan (81%)
- Magenta (54%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3176A4 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 3176A4 by changing the saturation by 10% instead.



■ 3176A4

■ 3176A4

FFFFFF

■ 015D8A

■ 6DAADB

■ 004670

■ 89C5F8

■ 003057

■ A6E1FF

■ 001C40

■ C3FEFF

■ 000329

■ E0FFFF

■ 000114

FEFFFF

■ 000000

■ 3176A4

■ 3176A4

■ 216FA4

■ 417DA4

■ 1069A4

■ 5283A4

■ 0062A4

■ 628AA4

■ 7390A4

■ 8397A4

■ 939DA4

■ A4A4A4

■ B4AAA4

■ C5B1A4

# Harmonies

## Analogous

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



007C97



3176A4



636DA3

# Triad

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



3176A4



A45C61



527A4C

# Complementary

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



3176A4



A45F31

# 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.



71743D



3176A4



9C6249

# Square

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



3176A4



9D5C7C



8A6B3C



2C7E65

# Rectangle

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



3176A4



7D669A



8A6B3C



5D7846



# Sweetspot

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



3176A4



A9C4D6



31A45F



50606B



EBEBEB



6B6B6B



# Same Dimension

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



3176A4



228ED6



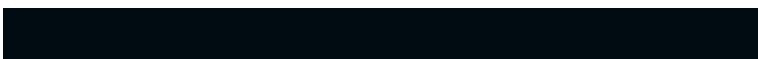
313CA4



494E52



005791



000B12



# Inverse Universe

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



A43176



D6228E



A49831



52494E



910057



12000B



# Previews

## White Background



This preview shows how the Hex color 3176A4 looks on a white background.

## Color Contrast Check

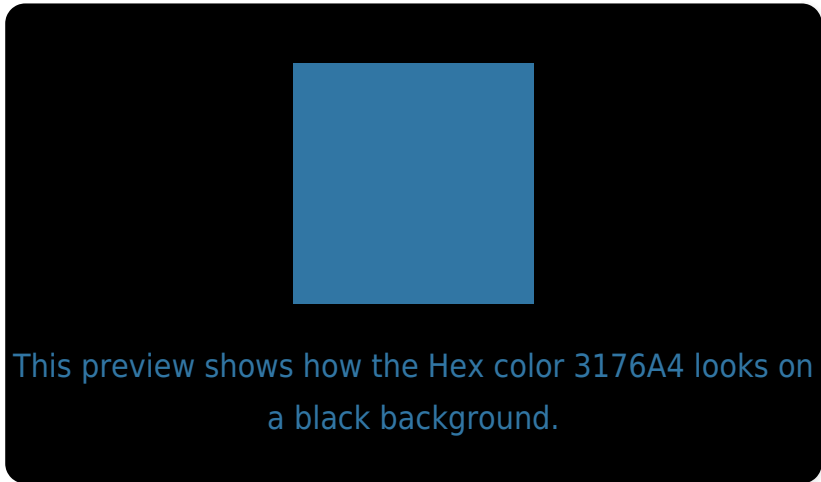
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

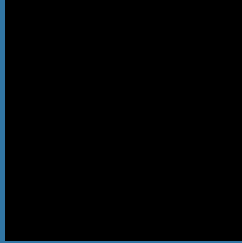
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

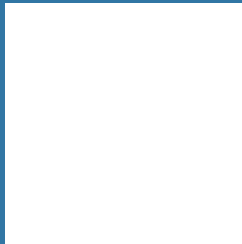
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3176A4 Background



This preview shows how black text looks on a background with the Hex color 3176A4.

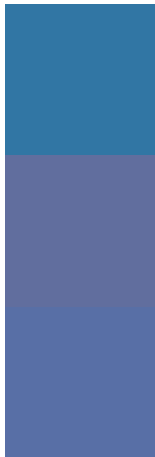


This preview shows how white text looks on a background with the Hex color 3176A4.

# 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



**Original Color**  
3176A4

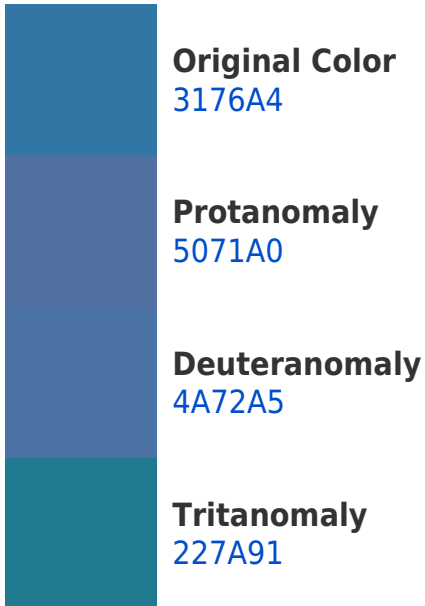
**Protanopia**  
616E9E

**Deuteranopia**  
586FA6

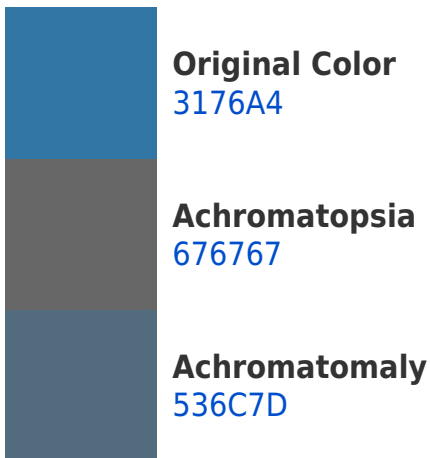


**Tritanopia**  
1A7C86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3176A4 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 #3176A4 looks like.

```
.text, #text, p{  
    color:#3176A4  
}
```

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 #3176A4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3176A4
}
```

## Border

The CSS property to change the border of an element to Hex 3176A4 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
#3176A4 }
```

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

```
.border{ border-color:#3176A4 }
```

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

Here you see how a box with a 4 pixel #3176A4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3176A4; -webkit-box-shadow:4px 4px  
4px 4px #3176A4; box-shadow:4px 4px 4px  
4px #3176A4 }
```

# Background

The CSS property to change the background color of an element to Hex 3176A4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3176A4 }
```

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

```
.background{ background-color:#3176A4 }
```

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

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