

# Converting Colors

Hex(1166B2)

Have a look what the booklet for  
Hex(1166B2) contains.

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# Color

**Hex(1166B2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1166B2
RGB	17, 102, 178
RGB Percent	7%, 40%, 70%
CMY	0.9333, 0.6000, 0.3020
CMYK	0.90, 0.43, 0.00, 0.30
HSL	208°, 83%, 38%
HSV	208°, 90%, 70%
XYZ	13.0184, 12.8363, 43.9110
YIQ	85.2490, -75.0560, 5.6160

# Conversions

## Conversions Part 2

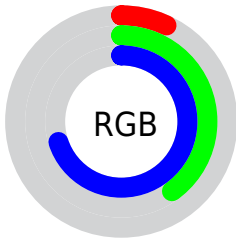
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	17, 73, 178
Decimal	1140402
CIE Lab	42.52, 5.51, -46.87
CIE LCh	43, 47.198, 276.710
Yxy	12.8363, 0.1866, 0.1840
Android (android.graphics.Color)	4279330482 (0xFF1166B2)
YUV	85.2490, 45.7262, -59.8544
Hunter-Lab	35.8277, 2.1615, -47.5873

# Details

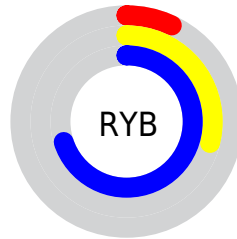
The Hex color **1166B2** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B25D11**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **5F98EA**, and **00387D** is the 20% darker color. If you saturate the color by 10%, you get **005EB2**, and if you desaturate by 10%, it is **236EB2**.

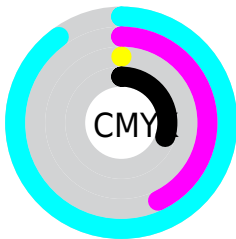
# Distribution



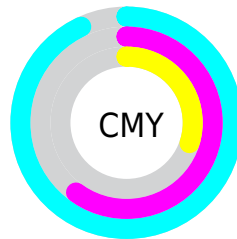
- Red (7%)
- Green (40%)
- Blue (70%)



- Red (7%)
- Yellow (29%)
- Blue (70%)



- Cyan (90%)
- Magenta (43%)
- Yellow (0%)
- Black (30%)



- Cyan (93%)
- Magenta (60%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1166B2 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 1166B2 by changing the saturation by 10% instead.



■ 1166B2

■ 1166B2

FFFFFF

■ 004E97

■ 5F98EA

■ 00387D

■ 7EB3FF

■ 002463

■ 9BCEFF

■ 000D4B

■ B9EBFF

■ 000433

■ D7FFFF

■ 00021D

■ F5FFFF

■ 000000

■ 1166B2

■ 1166B2

■ 005EB2

■ 236EB2

 3577B2

 467FB2

 5888B2

 6A90B2

 7C98B2

 8EA1B2

 9FA9B2

 B1B2B2

# Harmonies

## Analogous

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



0071AC



1166B2



7156A3

# Triad

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



1166B2



A54738



007544

# Complementary

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



1166B2



B25D11

# 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.



476F20



1166B2



905719

# Square

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



1166B2



AA3E5D



706509



00776C

# Rectangle

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



1166B2



8F4B90



706509



1C7337



# Sweetspot

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



1166B2



A9CAE8



11B25C



506475



F5F5F5



757575



# Same Dimension

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



1166B2



007BE8



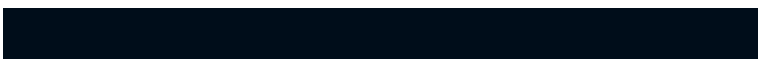
1116B2



505559



005199



000D1A



# Inverse Universe

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



B21166



E8007B



B2AD11



595055



990051



1A000D



# Previews

## White Background



This preview shows how the Hex color 1166B2 looks on a white background.

## Color Contrast Check

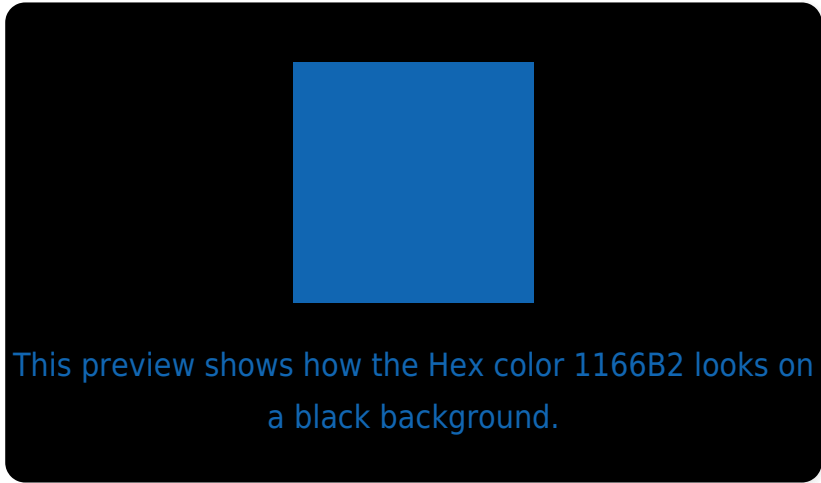
Large Text (above 18pt) WCAG AA ✓ Pass

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

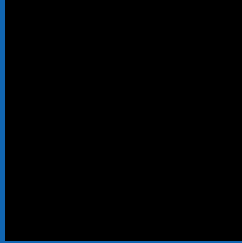
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1166B2 Background



This preview shows how black text looks on a background with the Hex color 1166B2.

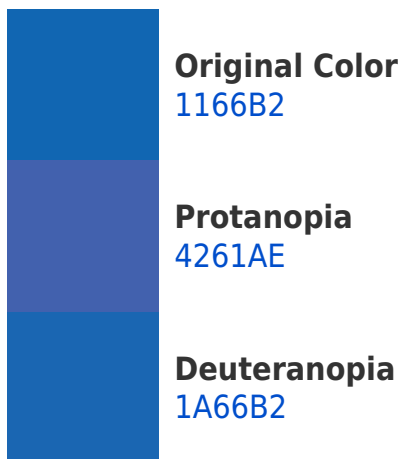


This preview shows how white text looks on a background with the Hex color 1166B2.

# 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



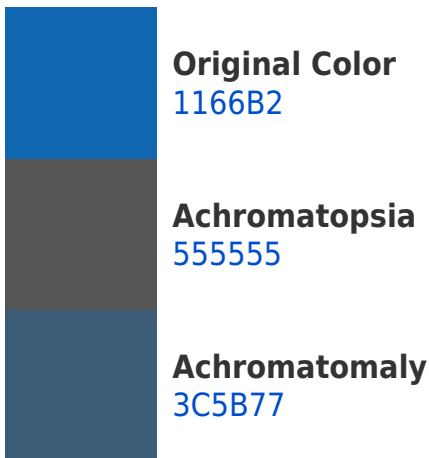


**Tritanopia**  
006F77

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1166B2 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 #1166B2 looks like.

```
.text, #text, p{  
    color:#1166B2  
}
```

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 #1166B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1166B2
}
```

## Border

The CSS property to change the border of an element to Hex 1166B2 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
#1166B2 }
```

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

```
.border{ border-color:#1166B2 }
```

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

Here you see how a box with a 4 pixel #1166B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1166B2; -webkit-box-shadow:4px 4px  
4px 4px #1166B2; box-shadow:4px 4px 4px  
4px #1166B2 }
```

# Background

The CSS property to change the background color of an element to Hex 1166B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1166B2 }
```

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

```
.background{ background-color:#1166B2 }
```

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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