

# Converting Colors

Hex(0053B8)

Have a look what the booklet for  
Hex(0053B8) contains.

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# Color

**Hex(0053B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0053B8
RGB	0, 83, 184
RGB Percent	0%, 33%, 72%
CMY	1.0000, 0.6745, 0.2784
CMYK	1.00, 0.55, 0.00, 0.28
HSL	213°, 100%, 36%
HSV	213°, 100%, 72%
XYZ	11.7450, 9.6472, 46.5905
YIQ	69.6970, -81.8890, 13.8150

# Conversions

## Conversions Part 2

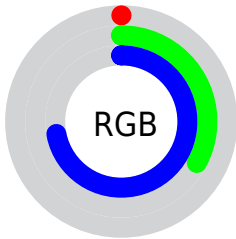
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 57, 184
Decimal	21432
CIELab	37.20, 19.73, -58.98
CIELCh	37, 62.194, 288.491
Yxy	9.6472, 0.1728, 0.1419
Android (android.graphics.Color)	4278211512 (0xFF0053B8)
YUV	69.6970, 56.3514, -61.1243
Hunter-Lab	31.0599, 13.1429, -67.1941

# Details

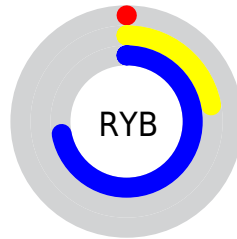
The Hex color **0053B8** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **B86500**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **5E84F1**, and **002882** is the 20% darker color. If you saturate the color by 10%, you get **0053B8**, and if you desaturate by 10%, it is **125DB8**.

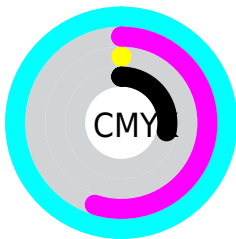
# Distribution



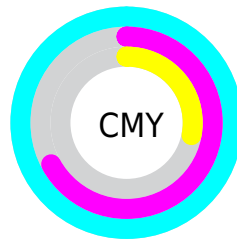
- Red (0%)
- Green (33%)
- Blue (72%)



- Red (0%)
- Yellow (22%)
- Blue (72%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (67%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0053B8 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 0053B8 by changing the saturation by 10% instead.



 0053B8

 0053B8

FFFFFF

 003D9D


 5E84F1

 002882

 7D9EFF

 001668

 9BB8FF

 00044F

 B9D4FF

 000537

 D7F0FF

 000221

 F6FFFF

 000006

 000000

 0053B8

 125DB8


 2567B8

 3771B8

 4A7BB8

 5C86B8

 6E90B8

 819AB8

 93A4B8

 A6AEB8

# Harmonies

## Analogous

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



0063BB



0053B8



7E389B

# Triad

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



0053B8



9C3506



006C42

# Complementary

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



0053B8



B86500

# 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.



006705



0053B8



7B4E00

# Square

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



0053B8



AD133B



4E5F00



006D76

# Rectangle

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



0053B8



9C217D



4E5F00



006B30



# Sweetspot

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



0053B8



A8C8F0



00B862



4D6078



F7F7F7



787878



# Same Dimension

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



0053B8



006CF0



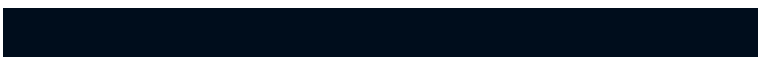
0600B8



53575C



00469C



000D1C



# Inverse Universe

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



B80053



F0006C



B2B800



5C5357



9C0046



1C000D



# Previews

## White Background



This preview shows how the Hex color 0053B8 looks on a white background.

## Color Contrast Check

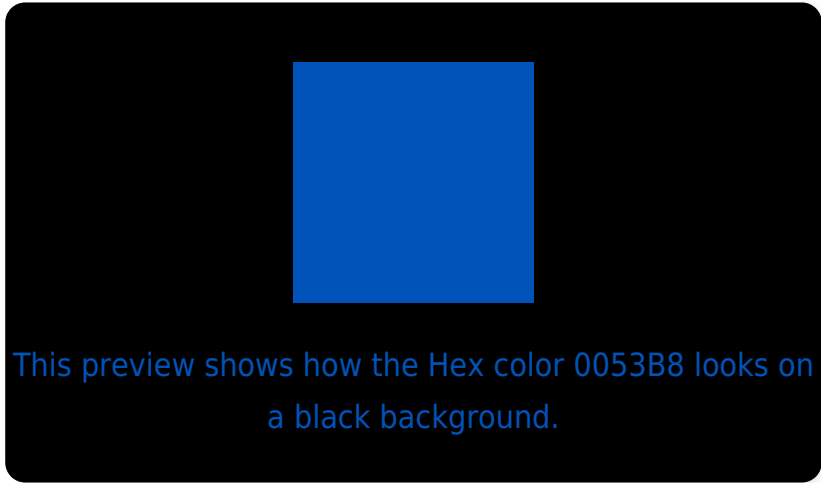
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

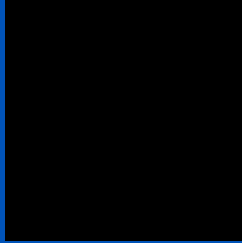
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0053B8 Background



This preview shows how black text looks on a background with the Hex color 0053B8.



This preview shows how white text looks on a background with the Hex color 0053B8.

# 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**  
0053B8

**Protanopia**  
0054B3

**Deuteranopia**  
005A9A



# Trichromacy



**Original Color**  
0053B8

**Protanomaly**  
0054B5

**Deuteranomaly**  
0057A5

**Tritanomaly**  
005C84

# Monochromacy



**Original Color**  
0053B8

**Achromatopsia**  
464646

**Achromatomaly**  
2D4B6F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0053B8 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 #0053B8 looks like.

```
.text, #text, p{  
    color:#0053B8  
}
```

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 #0053B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0053B8
}
```

## Border

The CSS property to change the border of an element to Hex 0053B8 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
#0053B8 }
```

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

```
.border{ border-color:#0053B8 }
```

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

Here you see how a box with a 4 pixel #0053B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0053B8; -webkit-box-shadow:4px 4px  
4px 4px #0053B8; box-shadow:4px 4px 4px  
4px #0053B8 }
```

# Background

The CSS property to change the background color of an element to Hex 0053B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0053B8 }
```

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

```
.background{ background-color:#0053B8 }
```

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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