

Converting Colors

Hex(0055B1)

Have a look what the booklet for
Hex(0055B1) contains.

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Color

Hex(0055B1)

Conversions

Conversions Part 1

Format	Color
Hex	0055B1
RGB	0, 85, 177
RGB Percent	0%, 33%, 69%
CMY	1.0000, 0.6667, 0.3059
CMYK	1.00, 0.52, 0.00, 0.31
HSL	211°, 100%, 35%
HSV	211°, 100%, 69%
XYZ	11.1843, 9.6713, 42.8722
YIQ	70.0730, -80.1920, 10.5920

Conversions

Conversions Part 2

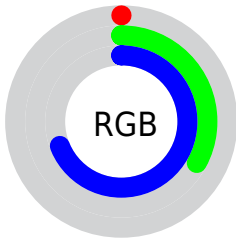
Format	Color
RYB	0, 57, 177
Decimal	21937
CIELab	37.25, 15.51, -54.79
CIELCh	37, 56.938, 285.804
Yxy	9.6713, 0.1755, 0.1518
Android (android.graphics.Color)	4278212017 (0xFF0055B1)
YUV	70.0730, 52.7150, -61.4540
Hunter-Lab	31.0988, 9.7727, -59.9671

Details

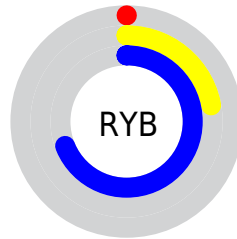
The Hex color **0055B1** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **B15C00**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **5B86E9**, and **00297B** is the 20% darker color. If you saturate the color by 10%, you get **0055B1**, and if you desaturate by 10%, it is **125EB1**.

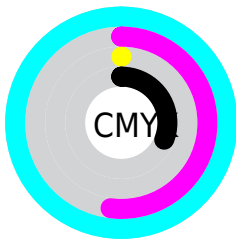
Distribution



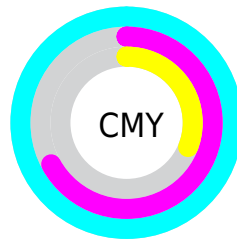
- Red (0%)
- Green (33%)
- Blue (69%)



- Red (0%)
- Yellow (22%)
- Blue (69%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (67%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0055B1 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 0055B1 by changing the saturation by 10% instead.

■ 0055B1

■ 0055B1

FFFFFF

■ 003E96

■ 5B86E9

■ 00297B

■ 7AA0FF

■ 001762

■ 98BBFF

■ 000649

■ B6D6FF

■ 000432

■ D4F3FF

■ 00011C

■ F2FFFF

■ 000000

■ 0055B1

■ 125EB1

■ 2367B1

■ 3571B1

■ 477AB1

■ 5983B1

■ 6A8CB1

■ 7C95B1

■ 8E9FB1

■ 9FA8B1

Harmonies

Analogous

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



0063B1



0055B1



773E98

Triad

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



0055B1



9A3715



006A3F

Complementary

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



0055B1



B15C00

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.



15660B



0055B1



7D4E00

Square

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



0055B1



A72042



545D00



006C6F

Rectangle

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



0055B1



942D7E



545D00



00692F

Sweetspot

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



0055B1



A1C2E6



00B15B



495D73



F2F2F2



737373

Same Dimension

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



0055B1



006EE6



0300B1



505559



004999



000C1A

Inverse Universe

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



B10055



E6006E



AEB100



595055



990049



1A000C

Previews

White Background



This preview shows how the Hex color 0055B1 looks on a white background.

Color Contrast Check

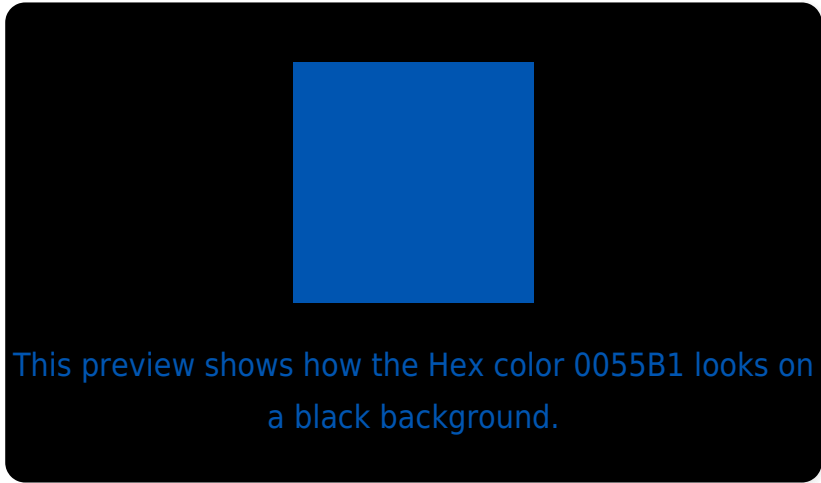
Large Text (above 18pt) WCAG AA ✓ Pass

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

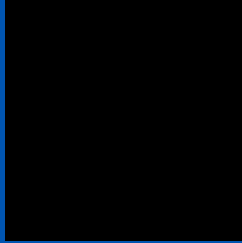
Any Text WCAG AA × Fail

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 0055B1 Background



This preview shows how black text looks on a background with the Hex color 0055B1.

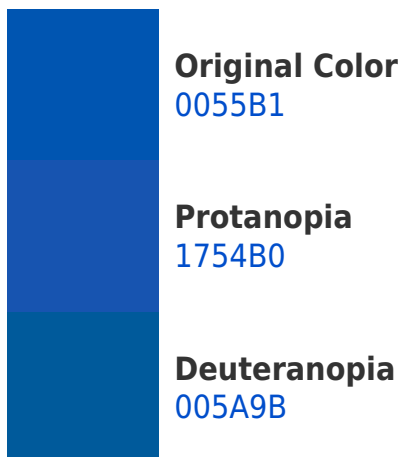


This preview shows how white text looks on a background with the Hex color 0055B1.

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



Trichromacy



Original Color
0055B1

Protanomaly
0F54B0

Deuteranomaly
0058A3

Tritanomaly
005D83

Monochromacy



Original Color
0055B1

Achromatopsia
464646

Achromatomaly
2D4B6D

CSS Examples

Text

The CSS property to change the color of the text to Hex 0055B1 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 #0055B1 looks like.

```
.text, #text, p{  
    color:#0055B1  
}
```

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 #0055B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0055B1
}
```

Border

The CSS property to change the border of an element to Hex 0055B1 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
#0055B1 }
```

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

```
.border{ border-color:#0055B1 }
```

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

Here you see how a box with a 4 pixel #0055B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0055B1; -webkit-box-shadow:4px 4px  
4px 4px #0055B1; box-shadow:4px 4px 4px  
4px #0055B1 }
```

Background

The CSS property to change the background color of an element to Hex 0055B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0055B1 }
```

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

```
.background{ background-color:#0055B1 }
```

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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