

# Converting Colors

Hex(0083BB)

Have a look what the booklet for  
Hex(0083BB) contains.

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**Color**

**Hex(0083BB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0083BB
RGB	0, 131, 187
RGB Percent	0%, 51%, 73%
CMY	1.0000, 0.4863, 0.2667
CMYK	1.00, 0.30, 0.00, 0.27
HSL	198°, 100%, 37%
HSV	198°, 100%, 73%
XYZ	17.0859, 19.8205, 49.9389
YIQ	98.2150, -96.0520, -10.3560

# Conversions

## Conversions Part 2

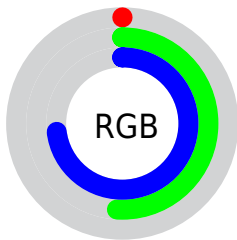
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 77, 187
Decimal	33723
CIELab	51.63, -9.34, -37.63
CIELCh	52, 38.769, 256.064
Yxy	19.8205, 0.1967, 0.2282
Android (android.graphics.Color)	4278223803 (0xFF0083BB)
YUV	98.2150, 43.7710, -86.1346
Hunter-Lab	44.5202, -9.4056, -35.3423

# Details

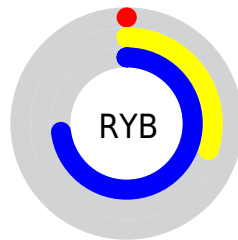
The Hex color **0083BB** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **BB3800**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **5EB8F3**, and **005285** is the 20% darker color. If you saturate the color by 10%, you get **0083BB**, and if you desaturate by 10%, it is **1389BB**.

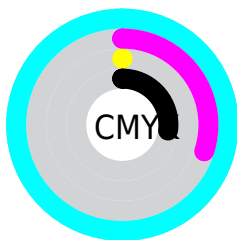
# Distribution



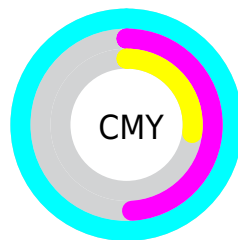
- Red (0%)
- Green (51%)
- Blue (73%)



- Red (0%)
- Yellow (30%)
- Blue (73%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (49%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0083BB 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 0083BB by changing the saturation by 10% instead.



 0083BB

 0083BB

FFFFFF

 006AA0

 5EB8F3

 005285

 7ED3FF

 003B6C

 9CF0FF

 002653

 BAF0FF

 00103C

 D8F0FF

 000225

 F7F0FF

 00010E

 000000

 0083BB

 1389BB

 258EBB

 3894BB

 4B99BB

 5E9FBB

 70A5BB

 83AABB

 96B0BB

 A8B5BB

# Harmonies

## Analogous

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



008AAA



0083BB



6478BB

# Triad

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



0083BB



BA606A



58874B

# Complementary

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



0083BB



BB3800

# 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.



7E7F39



0083BB



B2684D

# Square

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



0083BB



B1618C



9C743A



218B6A

# Rectangle

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



0083BB



8770B1



9C743A



658444



# Sweetspot

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



0083BB



AADCF2



00BB35



4E6D7A



FAFAFA



7A7A7A



# Same Dimension

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



0083BB



00AAF2



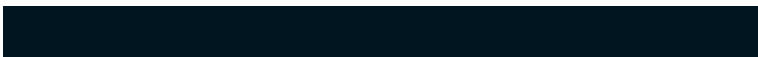
0029BB



555C5E



006F9E



00151F



# Inverse Universe

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



BB0083



F200AA



BB9200



5E555C



9E006F



1F0015



# Previews

## White Background



This preview shows how the Hex color 0083BB 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



This preview shows how the Hex color 0083BB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

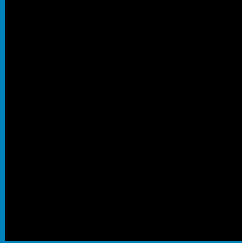
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0083BB Background



This preview shows how black text looks on a background with the Hex color 0083BB.

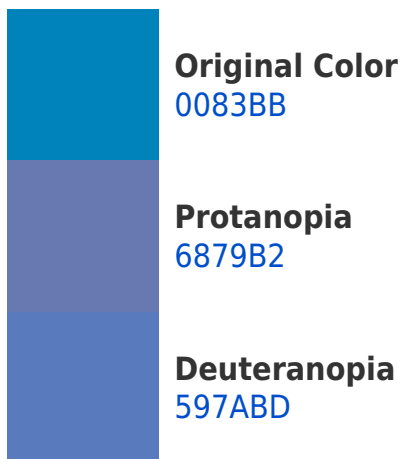


This preview shows how white text looks on a background with the Hex color 0083BB.

# 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**  
008892

# Trichromacy



**Original Color**  
0083BB



**Protanomaly**  
427DB5



**Deuteranomaly**  
397DBC



**Tritanomaly**  
0086A1

# Monochromacy



**Original Color**  
0083BB



**Achromatopsia**  
626262



**Achromatomaly**  
3E6E82

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0083BB 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 #0083BB looks like.

```
.text, #text, p{  
    color:#0083BB  
}
```

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 #0083BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0083BB
}
```

## Border

The CSS property to change the border of an element to Hex 0083BB 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
#0083BB }
```

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

```
.border{ border-color:#0083BB }
```

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

Here you see how a box with a 4 pixel #0083BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0083BB; -webkit-box-shadow:4px 4px  
4px 4px #0083BB; box-shadow:4px 4px 4px  
4px #0083BB }
```

# Background

The CSS property to change the background color of an element to Hex 0083BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0083BB }
```

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

```
.background{ background-color:#0083BB }
```

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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