

# Converting Colors

Hex(0083AA)

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

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# Color

Hex(0083AA)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0083AA
RGB	0, 131, 170
RGB Percent	0%, 51%, 67%
CMY	1.0000, 0.4863, 0.3333
CMYK	1.00, 0.23, 0.00, 0.33
HSL	194°, 100%, 33%
HSV	194°, 100%, 67%
XYZ	15.3720, 19.1349, 40.9134
YIQ	96.2770, -90.5950, -15.6430

# Conversions

## Conversions Part 2

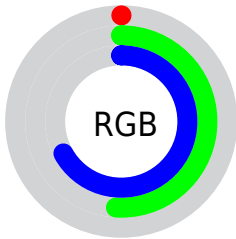
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 74, 170
Decimal	33706
CIELab	50.84, -15.71, -29.07
CIELCh	51, 33.044, 241.620
Yxy	19.1349, 0.2038, 0.2537
Android (android.graphics.Color)	4278223786 (0xFF0083AA)
YUV	96.2770, 36.3454, -84.4349
Hunter-Lab	43.7434, -13.8238, -24.8338

# Details

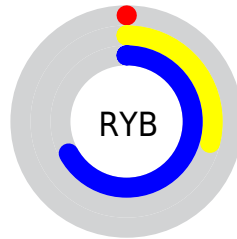
The Hex color **0083AA** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **AA2700**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **5BB8E1**, and **005276** is the 20% darker color. If you saturate the color by 10%, you get **0083AA**, and if you desaturate by 10%, it is **1187AA**.

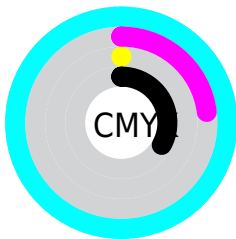
# Distribution



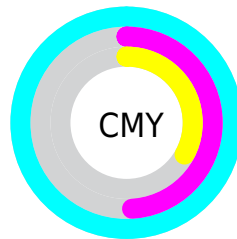
- Red (0%)
- Green (51%)
- Blue (67%)



- Red (0%)
- Yellow (29%)
- Blue (67%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (49%)
- Yellow (33%)

# Brightness & Saturation Gradients

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



0083AA

0083AA

FFFFFF

006A8F

5BB8E1

005276

79D4FE

003A5D

97F0FF

002545

B5FFFF

00092F

D2FFFF

000119

F1FFFF

000000

0083AA

1187AA

 228BAA

 338FAA

 4493AA

 5596AA

 669AAA

 779EAA

 88A2AA

 99A6AA

# Harmonies

## Analogous

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



008796



0083AA



507BB1

# Triad

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



0083AA



AE6279



6C8048

# Complementary

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



0083AA



AA2700

# 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.



897840



0083AA



AE655D

# Square

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



0083AA



9E6794



A06E48



49855D

# Rectangle

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



0083AA



7075AD



A06E48



767E43



# Sweetspot

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



0083AA



9BCFDE



00AA25



486770



F0F0F0



707070



# Same Dimension

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



0083AA



00ABDE



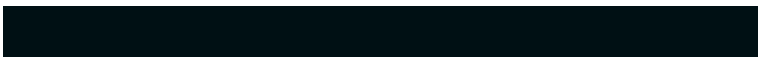
0030AA



4C5254



007294



001014



# Inverse Universe

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



AA0083



DE00AB



AA7A00



544C52



940072



140010



# Previews

## White Background



This preview shows how the Hex color 0083AA looks on a white background.

## Color Contrast Check

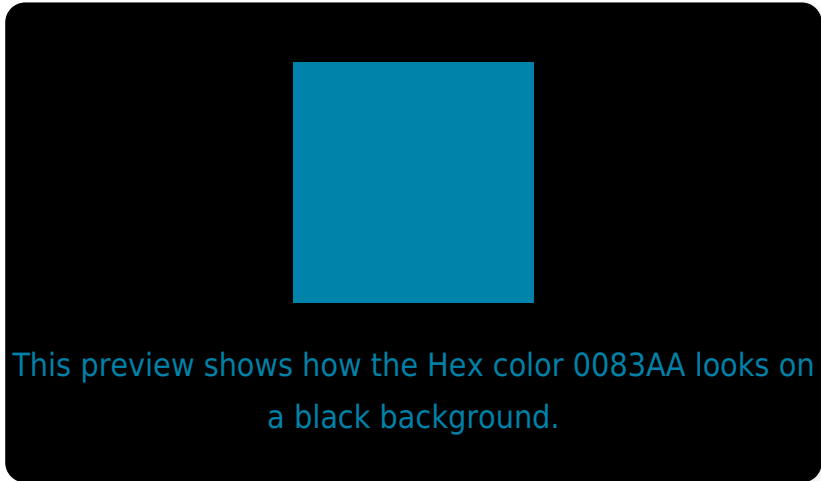
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

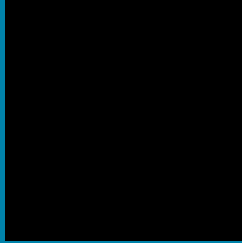
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0083AA Background



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

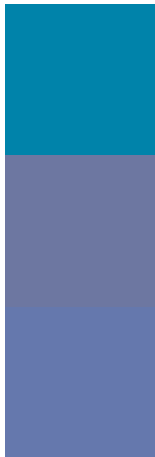


This preview shows how white text looks on a background with the Hex color 0083AA.

# 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**  
0083AA

**Protanopia**  
6D77A1

**Deuteranopia**  
6578AD



**Tritanopia**  
008690

# Trichromacy



**Original Color**  
0083AA

**Protanomaly**  
457BA4

**Deuteranomaly**  
407CAC

**Tritanomaly**  
008599

# Monochromacy



**Original Color**  
0083AA

**Achromatopsia**  
606060

**Achromatomaly**  
3D6D7B

# CSS Examples

## Text

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

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

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 #0083AA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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