

# Converting Colors

Hex(AA7300)

Have a look what the booklet for  
Hex(AA7300) contains.

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**Color**

**Hex(AA7300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA7300
RGB	170, 115, 0
RGB Percent	67%, 45%, 0%
CMY	0.3333, 0.5490, 1.0000
CMYK	0.00, 0.32, 1.00, 0.33
HSL	41°, 100%, 33%
HSV	41°, 100%, 67%
XYZ	22.7083, 20.8075, 2.8194
YIQ	118.3350, 69.6950, -24.1050

# Conversions

## Conversions Part 2

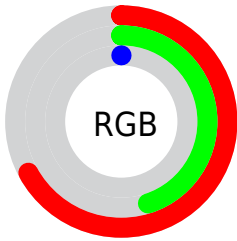
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 170, 0
Decimal	11170560
CIELab	52.74, 13.97, 59.34
CIElCh	53, 60.967, 76.754
Yxy	20.8075, 0.4901, 0.4491
Android (android.graphics.Color)	4289360640 (0xFFAA7300)
YUV	118.3350, -58.3392, 45.3102
Hunter-Lab	45.6153, 9.0346, 28.2661

# Details

The Hex color **AA7300** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **0037AA**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **E6A741**, and **704300** is the 20% darker color. If you saturate the color by 10%, you get **AA7300**, and if you desaturate by 10%, it is **AA7811**.

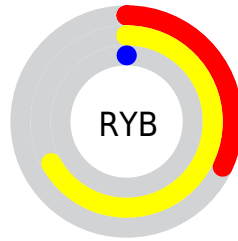
# Distribution



Red (67%)

Green (45%)

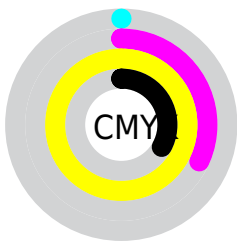
Blue (0%)



Red (32%)

Yellow (67%)

Blue (0%)

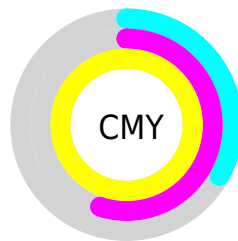


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (55%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA7300 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 AA7300 by changing the saturation by 10% instead.



■ AA7300

■ AA7300

FFFFFF

■ 8D5B00

■ E6A741

■ 704300

■ FFC25C

■ 542D00

■ FFDE76

■ 391800

■ FFFA91

■ 220000

■ FFFFAD

■ 000000

■ FFFF C9

■ FFFF E6

■ AA7300

■ AA7811

■ AA7E22

■ AA8433

■ AA8944

■ AA8E55

■ AA9466

■ AA9977

■ AA9F88

■ AAA499

# Harmonies

## Analogous

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



CC5C32



AA7300



7B8400

# Triad

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



AA7300



00969B



A562C6

# Complementary

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



AA7300



0037AA

# 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.



497AE3



AA7300



0093C9

# Square

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



AA7300



009564



008BE4



D04C97

# Rectangle

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



AA7300



548C1F



008BE4



8E6AD2



# Sweetspot

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



AA7300



DEC89B



AA0039



706348



F0F0F0



707070



# Same Dimension

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



AA7300



DE9600



8EAA00



54514C



946400



140E00



# Inverse Universe

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



0037AA



0048DE



1C00AA



4C4E54



003094

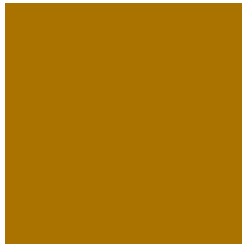


000714



# Previews

## White Background



This preview shows how the Hex color AA7300 looks on a white background.

## Color Contrast Check

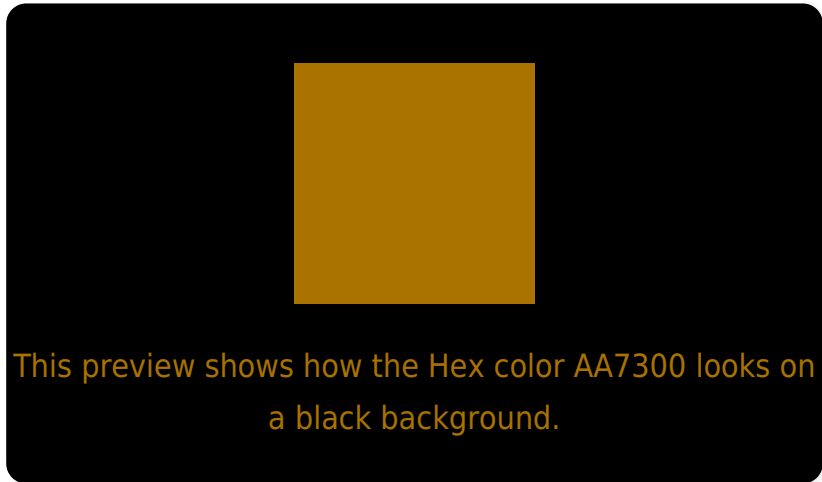
Large Text (above 18pt) WCAG AA ✓ Pass

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 AA7300 Background



This preview shows how black text looks on a background with the Hex color AA7300.



This preview shows how white text looks on a background with the Hex color AA7300.

# 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**  
AA7300

**Protanopia**  
8F7F0B

**Deuteranopia**  
A07800

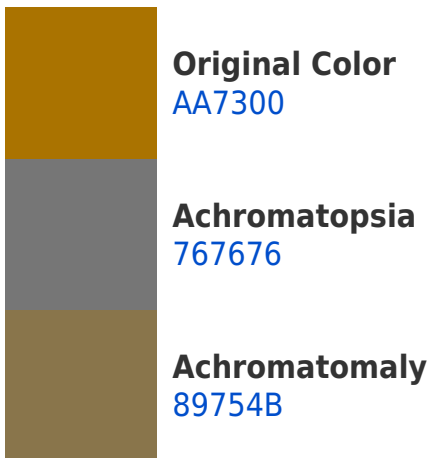


**Tritanopia**  
AF6B73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA7300 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 #AA7300 looks like.

```
.text, #text, p{  
    color:#AA7300  
}
```

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 #AA7300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA7300
}
```

## Border

The CSS property to change the border of an element to Hex AA7300 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
#AA7300 }
```

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

```
.border{ border-color:#AA7300 }
```

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

Here you see how a box with a 4 pixel #AA7300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA7300; -webkit-box-shadow:4px 4px  
4px 4px #AA7300; box-shadow:4px 4px 4px  
4px #AA7300 }
```

# Background

The CSS property to change the background color of an element to Hex AA7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA7300 }
```

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

```
.background{ background-color:#AA7300 }
```

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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