

# Converting Colors

Hex(23A000)

Have a look what the booklet for  
Hex(23A000) contains.

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**Color**

**Hex(23A000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23A000
RGB	35, 160, 0
RGB Percent	14%, 63%, 0%
CMY	0.8627, 0.3725, 1.0000
CMYK	0.78, 0.00, 1.00, 0.37
HSL	107°, 100%, 31%
HSV	107°, 100%, 63%
XYZ	13.2639, 25.4989, 4.2227
YIQ	104.3850, -23.1400, -76.2600

# Conversions

## Conversions Part 2

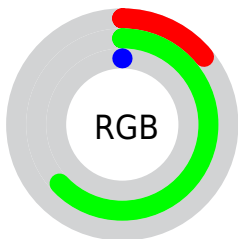
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 160, 125
Decimal	2334720
CIELab	57.56, -57.71, 59.13
CIELCh	58, 82.626, 134.307
Yxy	25.4989, 0.3086, 0.5932
Android (android.graphics.Color)	4280524800 (0xFF23A000)
YUV	104.3850, -51.4618, -60.8506
Hunter-Lab	50.4965, -41.4821, 30.3895

# Details

The Hex color **23A000** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7D00A0**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **68D848**, and **006B00** is the 20% darker color. If you saturate the color by 10%, you get **23A000**, and if you desaturate by 10%, it is **30A010**.

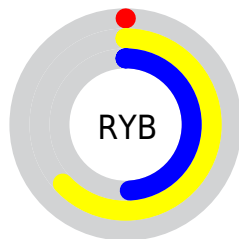
# Distribution



Red (14%)

Green (63%)

Blue (0%)



Red (0%)

Yellow (63%)

Blue (49%)

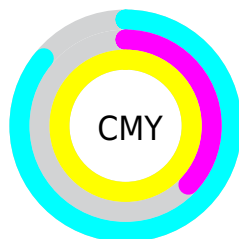


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (86%)

Magenta (37%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23A000 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 23A000 by changing the saturation by 10% instead.



 23A000

 23A000

FFFFFF

 008500

 68D848

 006B00

 86F563

 005100

 A3FF7E

 003900

 C1FF9A

 002200

 DFFF B6

 000000

 FDFFD3

 FFFFF0

 23A000

 30A010

 3CA020

 49A030

 55A040

 62A050

 6EA060

 7BA070

 87A080

 93A090

# Harmonies

## Analogous

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



889200



23A000



00A760

# Triad

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



23A000



009DFF



FF2B6B

# Complementary

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



23A000



7D00A0

# 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.



F636B3



23A000



0088FF

# Square

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



23A000



00A7EF



B664F3



F35424

# Rectangle

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



23A000



00A993



B664F3



FF2583



# Sweetspot

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



23A000



A0D192



A07B00



4B6943



E8E8E8



696969



# Same Dimension

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



23A000



2ED100



00A02B



494F47



1F8F00



030F00



# Inverse Universe

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



7D00A0



A300D1



A00075



4D474F



70008F

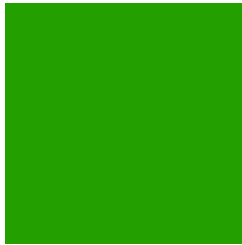


0C000F



# Previews

## White Background



This preview shows how the Hex color 23A000 looks on a white background.

## Color Contrast Check

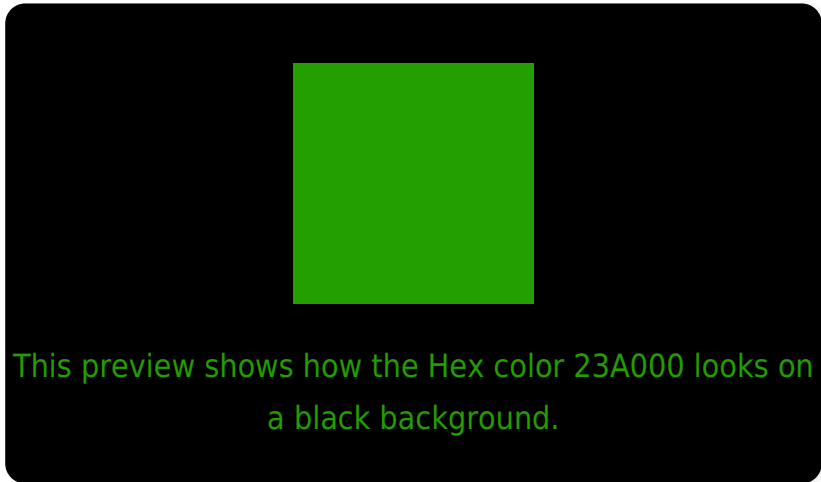
Large Text (above 18pt) WCAG AA ✓ Pass

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

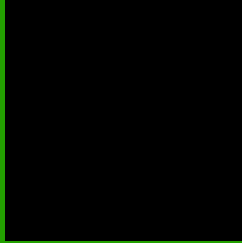
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 23A000 Background



This preview shows how black text looks on a background with the Hex color 23A000.



This preview shows how white text looks on a background with the Hex color 23A000.

# 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**  
23A000

**Protanopia**  
9B8A00

**Deuteranopia**  
AD8222



**Tritanopia**  
4A95A1

# Trichromacy



**Original Color**  
23A000



**Protanomaly**  
6F9200



**Deuteranomaly**  
7B8D16



**Tritanomaly**  
3C9966

# Monochromacy



**Original Color**  
23A000



**Achromatopsia**  
686868



**Achromatomaly**  
4F7C42

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23A000 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 #23A000 looks like.

```
.text, #text, p{  
    color:#23A000  
}
```

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 #23A000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23A000
}
```

## Border

The CSS property to change the border of an element to Hex 23A000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

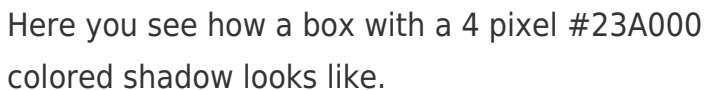
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#23A000 }
```

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

```
.border{ border-color:#23A000 }
```

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



Here you see how a box with a 4 pixel #23A000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23A000; -webkit-box-shadow:4px 4px  
4px 4px #23A000; box-shadow:4px 4px 4px  
4px #23A000 }
```

# Background

The CSS property to change the background color of an element to Hex 23A000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23A000 }
```

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

```
.background{ background-color:#23A000 }
```

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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