

# Converting Colors

Hex(22A23C)

Have a look what the booklet for  
Hex(22A23C) contains.

<b>Hex(22A23C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(22A23C)

# Conversions

## Conversions Part 1

Format	Color
Hex	22A23C
RGB	34, 162, 60
RGB Percent	13%, 64%, 24%
CMY	0.8667, 0.3647, 0.7647
CMYK	0.79, 0.00, 0.63, 0.36
HSL	132°, 65%, 38%
HSV	132°, 79%, 64%
XYZ	14.3956, 26.5070, 8.6326
YIQ	112.1000, -43.5460, -58.8580

# Conversions

## Conversions Part 2

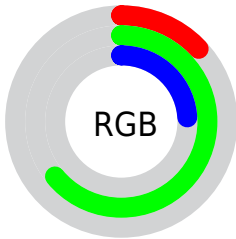
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 140, 162
Decimal	2269756
CIELab	58.52, -54.66, 42.56
CIELCh	59, 69.275, 142.099
Yxy	26.5070, 0.2906, 0.5351
Android (android.graphics.Color)	4280459836 (0xFF22A23C)
YUV	112.1000, -25.6853, -68.4937
Hunter-Lab	51.4849, -40.1885, 26.0982

# Details

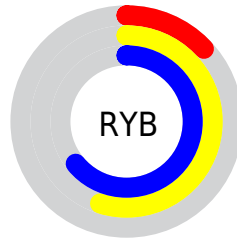
The Hex color **22A23C** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A22288**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **65DA6F**, and **006D03** is the 20% darker color. If you saturate the color by 10%, you get **12A22F**, and if you desaturate by 10%, it is **32A249**.

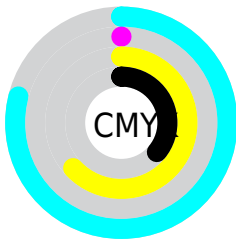
# Distribution



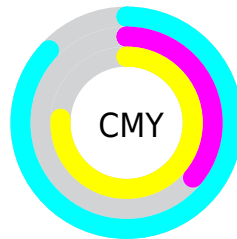
- Red (13%)
- Green (64%)
- Blue (24%)



- Red (13%)
- Yellow (55%)
- Blue (64%)



- Cyan (79%)
- Magenta (0%)
- Yellow (63%)
- Black (36%)



- Cyan (87%)
- Magenta (36%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22A23C 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 22A23C by changing the saturation by 10% instead.





22A23C



22A23C

FFFFFF



008722



65DA6F



006D03



83F78A



005300



A0FFA5



003B00



BEFFC0



002400



DBFFDD



000000



F9FFFA



22A23C



22A23C



12A22F



32A249

 02A222

 42A256

 00A221

 53A263

 63A270

 73A27D

 83A289

 93A296

 A4A2A3

 B4A2B0

# Harmonies

## Analogous

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



7E9700



22A23C



00A77A

# Triad

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



22A23C



0099FF



F75163

# Complementary

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



22A23C



A22288

# 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.



F04E9F



22A23C



6884FE

# Square

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



22A23C



00A4EC



C567D8



E16A2B

# Rectangle

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



22A23C



00A8A4



C567D8



F84C77



# Sweetspot

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



22A23C



A1D4AB



88A222



4C6B52



EBEBEB



6B6B6B



# Same Dimension

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



22A23C



0BD433



22A27C



49524B



00911E



001204



# Inverse Universe

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



A22288



D40BAB



A22248



524950



910074



12000E



# Previews

## White Background



This preview shows how the Hex color 22A23C looks on a white background.

## Color Contrast Check

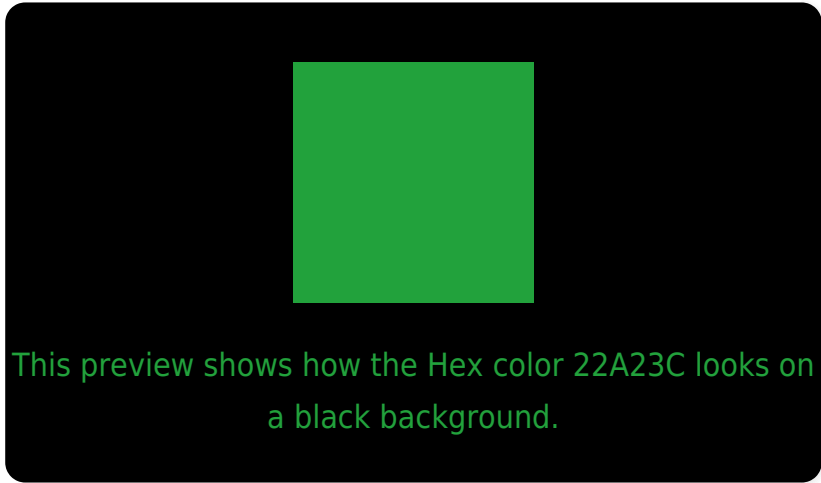
Large Text (above 18pt) WCAG AA ✓ Pass

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 22A23C Background



This preview shows how black text looks on a background with the Hex color 22A23C.



This preview shows how white text looks on a background with the Hex color 22A23C.

# 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**  
22A23C

**Protanopia**  
9C8C36

**Deuteranopia**  
AC8545



**Tritanopia**  
4898A4

# Trichromacy



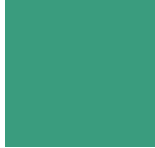
**Original Color**  
22A23C



**Protanomaly**  
709438



**Deuteranomaly**  
7A9042



**Tritanomaly**  
3A9C7E

# Monochromacy



**Original Color**  
22A23C



**Achromatopsia**  
707070



**Achromatomaly**  
54825D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22A23C 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 #22A23C looks like.

```
.text, #text, p{  
    color:#22A23C  
}
```

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 #22A23C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22A23C
}
```

## Border

The CSS property to change the border of an element to Hex 22A23C 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
#22A23C }
```

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

```
.border{ border-color:#22A23C }
```

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

Here you see how a box with a 4 pixel #22A23C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22A23C; -webkit-box-shadow:4px 4px  
4px 4px #22A23C; box-shadow:4px 4px 4px  
4px #22A23C }
```

# Background

The CSS property to change the background color of an element to Hex 22A23C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22A23C }
```

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

```
.background{ background-color:#22A23C }
```

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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